

What's new in Invest for Excel version 4.2

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Version 4.2

Invest for Excel version 4.2 (compilation 4.2.001) introduces new features, consolidates features and fixes implemented after version 4.1 (compilation 4.1.001).

DataPartner	inv	Program version 4.2	
Input values	Calculations	Result	Analysis
Basic values	Investment	Profitability analysis	Discount factor
Contact information	Income statement	Comparison table	Total investment
	U Working capital	Marginal effect	Income
Folders and files	Cash flow	Consolidation	Variable costs
	Balance	Impairment test	Fixed costs
🗖 Program guide	Key financials	verification	Selectable variable
<u>User manual (pdf)</u>	Financing	Investment proposal	Charts
Calculation file:	<not open=""></not>	Comparison file:	<not open=""></not>
Proposal file:	<not open=""></not>	Financing file:	< Not open >
	www.invest	forexcel.com	

Microsoft Excel versions supported

Invest for Excel 4.2 is supported for:

Microsoft Excel versions 2010, 2013, 2016, 2019, 2021 and 365 Desktop running in Windows 8.1, Windows 10 or Windows 11, 32-bit or 64-bit.

Digital signature

Invest for Excel program code is signed with a digital signature which is valid until Oct. 18, 2026.

📃 Certificate		×
General Details C	ertification Path	
Certific	ate Information	_
This certificate	e is intended for the following purpose(s):	
	oftware came from software publisher oftware from alteration after publication	
* Refer to the ce	rtification authority's statement for details.	_
Issued to	: Datapartner Oy	
Issued by	: DigiCert Trusted G4 Code Signing RSA4096 SHA384 2021 CA1	
Valid fron	18. 10. 2023 to 18. 10. 2026	
You have a	private key that corresponds to this certificate.	
	Issuer Statement	ŧ
	OK	

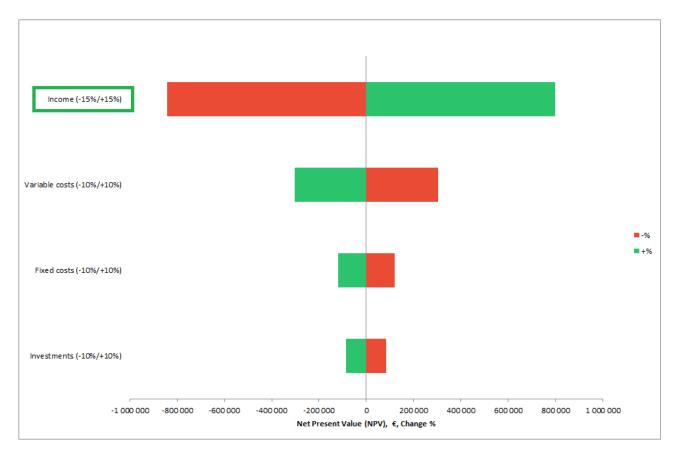
Individual change percentages in Tornado

You can use individual change percentages in a Tornado analysis chart. Choose the row for which you want to enter individual change percentages.

Create Analysis Chart	Chart title
Rows 19 Building 29 Land area 39 Equipment 49 Electricity and water 59 Heating and air conditioning 69 Major repairs 318 Investments 443 Income from rents, ground floor 444 Archive, rent / square meter / month 446 Archive, rent / square meter / year 447 Area, square meters	Analyze rows (max. 20) % 318 Investments 483 Income 486 Variable costs 509 Fixed costs >
447 Area, square meters 448 Surgery 449 Surgery, rent / square meter / month 450 Surgery, rent / square meter / year 451 Area, square meters 452 Kitchen, rent / square meter / month 453 Kitchen, rent / square meter / month 454 Kitchen, rent / square meter / year 455 Area, square meters	I< Indude line for each analyzed row Show line with all changes combined Analyse profitability indicator Net Present Value (NPV)
Period 12/2021 Center point for Tornad Center point for Tornad Center point for Tornad	

Click the %-button above the list and enter change percentages in the form that opens.

Calculation (All)	Chart title
444 Archive	Analyze rows (max. 20) % 318 Investments 483 Income 486 Variable costs 509 Fixed costs 509 Fixed costs Tornado % × Row Income Show Change % Negative -15 Positive 15 Default -10
Period 12/2021 Center point for Tornado chart © Zero C Factor value	Ch OK Cancel



The individual differences are shown in the Tornado chart.

Czech language

Czech language has been added to Invest for Excel.

File Soubor IFE Vstup Výsled	ek Analýza Formát Jiné			
Domovská obrazovka		SharePoint *		
Domov Složka	Soubor	Nabídky		
1 v : X	$\sqrt{f_x}$			
DataPartner invest FOR EXCEL				
Vstupní hodnoty	Kalkulace	Výsledek	Analýza	
Základní hodnoty	Investice	🗌 Analýza ziskovosti	Diskontní faktor	
🗌 Kontaktní informace	🔲 Výsledovka	🔲 Srovnávací tabulka	Celková investice	
	🔲 Provozní kapitál	🔲 Mezní efekt	Příjem	
	Peněžní tok Konsolidace Variabilní náklady			
Složky a soubory	Penezni tok	L Konsondace		
Složky a soubory	Rozváha	Test poškození	Fixní náklady	
 Složky a soubory Průvodce programem 			· ·	

Exit Invest for Excel without exiting Microsoft Excel

When you exit Invest for Excel, you can choose to stay in Microsoft Excel or close both Invest for Excel and Microsoft Excel.

	×
Exit Invest for Excel?	ОК
Cuit Microsoft Excel	Cancel

Check Quit Microsoft Excel and press OK to close both Invest for Excel and Microsoft Excel.

	×
Exit Invest for Excel?	ОК
Vuit Microsoft Excel	Cancel

Show Value Added (VA) rows

By default, Value Added-related rows are not shown in new calculation files. If you want to show Value Added rows in new calculation files, check the **Show Value Added (VA) rows** in the Invest for Excel **Options**.

Options			×
Financial Ratios Other Options File C	ptions		1
🗌 Mid-year discounting			
Net assets is based on:	Average balance Opening balance Balance at the end of period		
RONA is based on:	Operating profit before tax (EBIT) Net operating profit after tax (NOPAT) Net income for the period + financial items + approp	priations	
VA is based on:	Operating profit before tax (EBIT) Net operating profit after tax (NOPAT) Net income for the period + financial items + approp	priations	
NOPAT: Use calculated tax (EBIT *	tax percent)		
Show Value Added (VA) rows]		
< Default settings for new Calculation	île. >	ОК	Cancel

The function will unhide/hide Value Added-related rows in **Calculations** sheet and **Result** sheet.

When you have a calculation file active you can easily unhide/hide Value Added rows.

	PROFITABILIT	YANALYSI	2	
Project description	Wind power plant	1 MW		ŧ
Nominal value of all investments		3 610 000	Discounted investment	s 3 453 954
Required rate of return		11,75 %		
Calculation term		15,5	years	7/2021 - 12/2036
Calculation point		7/2021	(In the beginning of per	riod)
Present value of business cash flows	Nominal	<u>PV</u>	Notes	
± PV of operative cash flow		4 365 523		
+ PV of residual value	84 437	15 090		
Present value of business cash flows		4 380 613		
- Present value of reinvestments	0	0		
Total Present Value (PV)		4 380 613		
Investment proposal	Nominal	<u>PV</u>		
 Proposed investments in assets 	-3 610 000	-3 453 954		
+ Investment subventions	0	0		
Investment proposal	-3 610 000	-3 453 954		
Net Present Value (NPV)		926 659	>= 0 ->	profitable
NPV as a monthly annuity		10 494		
Internal Rate of Return (IRR)		15,98 %	>= 11,75 % ->	profitable
Modified Internal Rate of Return (MIRR)		13,48 %	>= 11,75 % ->	profitable
Profitability Index (PI)		1,27	>=1 ->	profitable
Payback time, years		10,6	Based on discounted F	CF
Calculation is made by	Datapartner Custor	mer Support		
Calculation file				

Check the Show Value Added (VA) rows in the Invest for Excel Options.

Options		×
Financial Ratios Other Options File Op	tions	1
Mid-year discounting		
Net assets is based on:	Average balance Opening balance Balance at the end of period	
RONA is based on:	Operating profit before tax (EBIT) Net operating profit after tax (NOPAT) Net income for the period + financial items + appropriations	
VA is based on:	Operating profit before tax (EBIT) <u>Net operating profit after tax (NOPAT)</u> Net income for the period + financial items + appropriations	
NOPAT: Use calculated tax (EBIT *	tax percent)	
Show Value Added (VA) rows		
< WindPowerPlant1 >	OK Cancel	

Value Added rows are shown in **Result** sheet and **Calculations** sheet.

	PROFITABILIT	Y ANALYSI	S		
Project description	Wind power plant 1	MW			£
Nominal value of all investments Required rate of return Calculation term Calculation point		3 610 000 11,75 % 15,5 7/2021	Discounted inv years (In the beginni		3 453 954 7/2021 - 12/2036))
Present value of business cash flows ± PV of operative cash flow + <u>PV of residual value</u> Present value of business cash flows	Nominal 84 437	PV 4 365 523 15 090 4 380 613	<u>Notes</u>		
- Present value of reinvestments Total Present Value (PV)	0	0 4 380 613			
Investment proposal - Proposed investments in assets + Investment subventions Investment proposal	<u>Nominal</u> -3 610 000 0 -3 610 000	PV -3 453 954 0 -3 453 954			
Net Present Value (NPV) NPV as a monthly annuity		926 659 10 494	>= 0	~>	profitable
Internal Rate of Return (IRR) Modified Internal Rate of Return (MIRR) Profitability Index (PI)		15,98 % 13,48 % 1,27	>= 11,75 % >= 11,75 % >= 1	~ ~ ~	profitable profitable profitable
Payback time, years		10,6	Based on disco	ounted FCF	
Return on net assets (RONA), % Value Added (VA)		52,5 % 229 032	Average 16 yea Average 16 yea		
Discounted Value Added (DCVA) Internal Rate of Return based on DCVA (I Modified Internal Rate of Return based of Ret		853 945 15,37 % 14,07 %	>= 11,75 % >= 11,75 %	-> ->	profitable profitable
Payback time, years, based on DCVA		7,7			
Calculation is made by Calculation file	Datapartner Custom	er Support			

Net income for the period	0	0	339 203 50 6%	356 599 51 7%	374 517 52 7%	392 973 53 7%	411 982 54 6%
Return on net assets (RONA), %		0,0%	9,6%	10,8%	12,2%	13,9%	15,9%
Value Added (VA)	1	-212 088	-74 112	-31 816	14 181	60 709	107 785
Discounted Value Added (DCVA)		-200 628	-62 736	-24 100	9 613	36 825	58 505
Cumulative Discounted Value Added		-200 628	-263 364	-287 464	-277 852	-241 027	-182 521
Operating profit		U	339 203	356 599	374 517	392 973	411 982

Data extract

Data can be extracted from a calculation file by using the "Data extract" function in the IFE File – Data menu.

File IFE File Input Result Analysis For	mat Other	
screen And Files of active file Home Folders	Save Print Close SharePoint	Data Data Data extract Data extract Data extract
$ A1 \qquad \checkmark : \times \checkmark f_{x} \lor $		🖶 Combine data files
_		Save sheet as data file
		Power BI Example Files
-		
Data Extract		×
Info (optional)		
Info 2 (optional)		
Indude		
	Options	
	🔲 Include beginning balance cash	
Working capital	Include summable specification r	ows
Cash flow data	Include totals	Totals in upper case
Balance sheet data Frofitability Key financials Indicators		
Periods	_	
Include historical periods		
Include residual values		English (EN)
Include first historical period change (cash flow)	Scenario	Base case
Create		
	Save to folder	
🗔 Create data file		
Create data sheet		
	1	
		OK Cancel
		Cancer

Data extract is useful when you want to use Invest for Excel data in a database type of application, for example Microsoft Power BI Desktop.

Power BI has been used in this document as examples of how the extracted data can be used. Data can of course also be used in other applications.



Data extract can also be used to analyse calculation data in Excel, for example in using Pivot tables.

You can choose to include investment data, income data, working capital data, cash flow data, balance sheet data, key financials table data from Calculations sheet and profitability indicators from Result sheet. Each type of data is extracted to a separate sheet/data file.

Info fields

Two optional info fields are available for including calculation project-specific information. You can for example enter an identifier used in the system where you use the data.

Info (optional)	AB12300755
Info 2 (optional)	

All project-specific fields:

Project	Info	Info 2	Scenario	Figures	Currency
Hospital property 37	AB12300755		Base case	1	€
Hospital property 37	AB12300755		Base case	1	€
Hospital property 37	AB12300755		Base case	1	€

Project is taken from the Basic values table:

	BASIC VALUES	
Project description	Hospital property 37	

Other calculation project-specific fields

Calculation-specific fields are Scenario, Figures and Currency. Scenario and figures (monetary units) can be changed in the Data Extract dialog box, but currency is the currency taken from the Basic values sheet. Note that you can also enter your own Scenario description.



Period fields

Period fields include Date, Year, Month and Financial year. These fields correspond to the periods in Calculation file columns.

Date	Year	Month	Financial year
1.1.2021	2021	1	2021
31.12.2040	2040	12	2040
31.12.2021	2021	12	2021

Investments

Investments includes data from the Investments and realizations table.

Table and Table sort fields can be used to filter investments from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Investments	100	Investment	100001	C0500	Building	3611001
Investments	100	Investment	100001	C0500	Building	3611001
Investments	100	Depreciation	270000	C0500	Building	3611001

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for investments can include Investment, Depreciation, Book value, Imputed depreciation and Imputed book value.

If totals are included, the following row types can be included: Total Investments, Total Realizations, Total Depreciation, Total Realization profit/loss, Total Book value, Total Imputed depreciation and Total Imputed book value.

Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Buildings and structures	8000	Proposed investment	10000	Value	-300 000,00
Buildings and structures	8000	Proposed investment	10000	Residual Value	60 000,00
Buildings and structures	8000	Proposed investment	10000	Value	-12 000,00

Row name 2 is asset type and Row sort 2 can be used to sort Row name 2 (when possible).

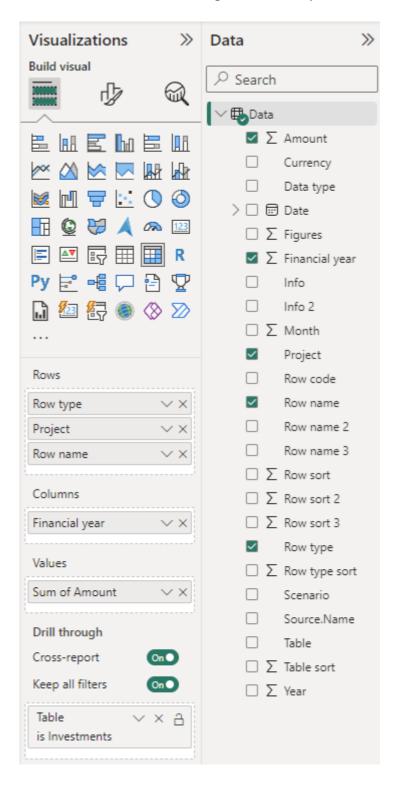
Row name 3 is Proposed investment or Reinvestment and Row sort 3 can be used to sort Row name 3 (when possible).

Data type holds info on what kind of data the row holds. Possible data types are Value, Residual Value, Total and Residual Value Total.

The Amount field holds the amount for the row and period. Zero values are not included.

Example of a matrix report in Power BI (Investment data from four example files):

Investments and realizations	2021	2022	2023	2024	2025	2026
Investment						
Alpha Machine 37						
Alpha Machine 37	-1 000 000					100 000
Production hall	-1 700 000					400 000
Maintenance			-90 000		-45 000	22 500
Hospital property 37						
Building	-300 000					
Land area	-100 000					
Equipment	-70 000	-20 000	-20 000	-20 000	-20 000	-20 000
Electricity and water	-15 000	-15 000	-15 000	-15 000		
Heating and air conditioning		-20 000	-20 000	-20 000		
Major repairs		-222 000	-111 000	-55 500		
New flight route	-4 950 000		600 000			
Wind power plant 1 MW	-3 610 000					
Depreciation						
🗄 Alpha Machine 37	-77 667	-302 375	-266 281	-222 336	-200 627	-175 908
 Hospital property 37 	-28 143	-46 023	-59 463	-70 683	-74 683	-64 683
New flight route	-518 750	-518 750	-495 000	-495 000	-495 000	-495 000
Wind power plant 1 MW		-240 667	-240 667	-240 667	-240 667	-240 667
Book value	11 316 378	10 485 563	9 531 715	8 613 530	7 667 553	5 121 490
TOTAL INVESTMENTS	-11 745 000	-277 000	-256 000	-110 500	-65 000	-20 000
TOTAL REALIZATIONS			148 438			1 589 806
TOTAL DEPRECIATION	-624 560	-1 107 815	-1 061 411	-1 028 685	-1 010 976	-976 257
TOTAL REALIZATION PROFIT/LOSS			451 563			-1 067 306
TOTAL BOOK VALUE	11 316 378	10 485 563	9 531 715	8 613 530	7 667 553	5 121 490



The matrix visualization settings of the example:

Income data

Income data include data in the Income statement.

Table and Table sort fields can be used to filter Income from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Income	200	Income	200000	C9000S01	Income from rents, ground floor	210000
Income	200	Income	200000	C9000S01	Income from rents, ground floor	210000
Income	200	Income	200000	C9000S01	Income from rents, ground floor	210000

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for income can include Income, Other income, Variable costs, Fixed costs etc.

If totals are included, the following row types can be included: Income total, Gross margin, EBITDA; Operating income before depreciation, EBIT; Operating income, Net income for the period.

Row code is an internal identifier used by Invest for Excel. It is included for reference.

Row name is the row description and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Archive		Archive		Value	70 247,52
Archive		Archive		Value	71 652,47
Archive		Archive		Value	73 085,52

Row name 2 is first level specification row text when available and when specification rows are included, otherwise Row name 2 is a duplicate of Row name. Row sort 2 is empty for Income data.

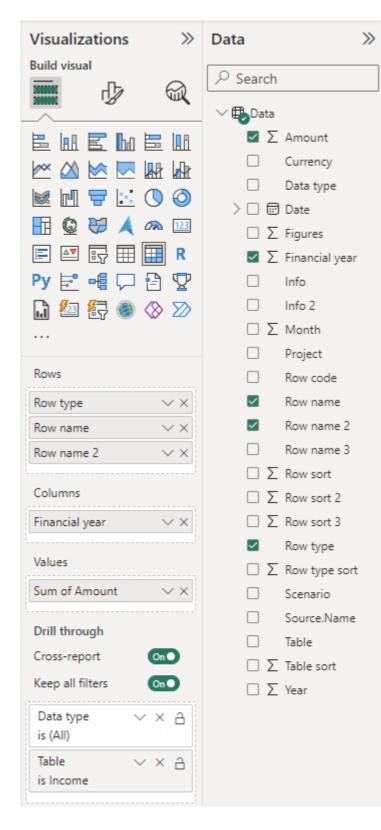
Row name 3 is second level specification row text when available and when specification rows are included, otherwise Row name 3 is a duplicate of Row name 2. Row sort 3 is empty for Income data.

Data type holds info on what kind of data the row holds. Possible data types are Value, Residual Value, Total and Residual Value Total.

The Amount field holds the amount for the row and period. Zero values are not included.

Example of a matrix report in Power BI (Income data from example file):

\bigcirc	Project						
0	Hospital property 37 \sim	€					
Income	e statement	2021	2022	2023	2024	2025	2026
□ Inco	ome						
⊟ In	come from rents, ground floor						
	Archive	70 248	71 652	73 086	74 547	76 038	77 559
	Kitchen	48 030	48 990	49 970	50 970	51 989	53 029
9	Surgery	70 584	71 996	73 436	74 904	76 402	77 930
⊞ In	come from rents, first floor	204 400	208 488	212 658	216 911	221 249	225 674
⊕ In	come from rents, second floor	79 992	81 592	83 224	84 888	86 586	88 318
⊞ In	come from rents, third floor	166 414	169 742	173 137	176 600	180 132	183 735
⊕ INC	COME TOTAL	639 667	652 461	665 510	678 820	692 396	706 244
🗆 Vari	iable costs						
⊟ Ex	cternal charges						
(Cleaning	-44 400	-45 288	-46 194	-47 118	-48 060	-49 021
9	Security services	-3 180	-3 244	-3 308	-3 375	-3 442	-3 511
± 0	ther variable costs	-359 064	-340 765	-322 591	-329 042	-335 623	-342 336
⊕ GRC	OSS MARGIN	233 023	263 164	293 417	299 285	305 271	311 376
🗆 Fixe	ed costs						
⊟ St	taff costs						
I	Estate management; Accounting	-15 000	-15 300	-15 606	-15 918	-16 236	-16 561
9	Service men (2 persons)	-76 000	-77 520	-79 070	-80 652	-82 265	-83 910
± 0	ther fixed costs	-53 500	-54 570	-55 661	-56 775	-57 910	-59 068
⊕ EBI	TDA; OPERATING INCOME BEFORE DEPRECIATION	88 523	115 774	143 079	145 941	148 860	151 837
🗄 Dep	preciation	-28 143	-46 023	-59 463	-70 683	-74 683	-64 683
🗄 EBI	T; OPERATING INCOME	60 380	69 751	83 616	75 258	74 177	87 154
🗄 Inco	ome tax	-16 907	-19 530	-23 413	-21 072	-20 769	-24 403
• NET	T INCOME FOR THE PERIOD	43 474	50 221	60 204	54 186	53 407	62 751



The matrix visualization settings of the example:

Working capital

Working capital include data in the Working capital table.

Table and Table sort fields can be used to filter Working capital from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Working Capital	300	Short-term assets (change)	351000	C3031	Accounts receivable, Increase (-) / decrease (+)	3511000
Working Capital	300	Short-term assets (change)	351000	C3031	Accounts receivable, Increase (-) / decrease (+)	3511000
Working Capital	300	Short-term assets (change)	351000	C3031	Accounts receivable, Increase (-) / decrease (+)	3511000

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for working capital can include Short-term assets (change), Inventories (change) and Current liabilities (change).

If totals are included, Change in working capital (total) and Net working capital are included. Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Accounts receivable, Increase (-) / decrease (+)		Accounts receivable, Increase (-) / decrease (+)		Value	-133 333,33
Accounts receivable, Increase (-) / decrease (+)		Accounts receivable, Increase (-) / decrease (+)		Value	-9 473,33
Accounts receivable, Increase (-) / decrease (+)		Accounts receivable, Increase (-) / decrease (+)		Value	-9 805,60

Row name 2 is a duplicate of Row name. Row sort 2 is not used. Row name 3 is a duplicate of Row name 2. Row sort 3 is not used.

Data type holds info on what kind of data the row holds. Possible data types are Value, Residual Value, Total and Residual Value Total.

The Amount field holds the amount for the row and period. Zero values are not included.

Example of a matrix report in Power BI (Working capital from example file):

\bigotimes	Project	\sim						
\bigcirc	New flight route	\sim	EUR					
Workin	g capital	2021	2022	2023	2024	2025	2026	2027
🗉 Sho	rt-term assets (change)							
Ac	counts receivable, Increase (-) / decrease (+)	-133 333	-9 473	-9 806	-10 147	-10 499	-10 860	-11 232
⊟ Inve	ntories (change)							
Fu	el, Increase (-) / decrease (+)	-7 574	-259	-266	-273	-281	-289	-297
Sp	are parts and oils, Increase (-) / decrease (+)	-55 417	-1 108	-1 131	-1 153	-1 176	-1 200	-1 224
🗆 Curr	rent liabilities (change)							
Fu	el, Increase (+) / decrease (-)	16 230	554	570	586	602	619	637
Sp	are parts and oils, Increase (+) / decrease (-)	27 708	554	565	577	588	600	612
🗄 CHA	NGE IN WORKING CAPITAL (TOTAL)	-152 386	-9 732	-10 067	-10 411	-10 766	-11 130	-11 504
+ NET	WORKING CAPITAL	152 386	162 118	172 185	182 596	193 362	204 492	215 996

Visualizations >>>	Data >>>
Build visual	✓ Search
	∨ ⊕ Data
	✓ Amount
	Currency
	Data type
	> 🗌 😇 Date
	$\Box \Sigma$ Figures
🖃 🛃 🕁 🌐 🖪 R	🗹 ∑ Financial year
Py 🖻 🖷 🖓 🔁 😨	🗌 Info
🔓 🖆 🛃 🎯 🚫 放	🗌 Info 2
	$\Box \Sigma$ Month
	Project
Rows	Row code
Row type $\sim \times$	Row name
Row name $\sim \times$	Row name 2
l	Row name 3
Columns	$\Box \sum$ Row sort
Financial year \sim \times	$\Box \sum$ Row sort 2
L	□ ∑ Row sort 3
Values	Row type
Sum of Amount $\checkmark \times$	$\Box \sum$ Row type sort
Drill through	Scenario
Drill through	Source.Name
Cross-report On	Table
Keep all filters On O	$\Box \sum$ Table sort
Data type ∨ × A is (All)	□ ∑ Year
Table $\checkmark \times \exists$ is Working Capital	

The matrix visualization settings of the example:

Cash flow data

Cash flow data include data from the Cash flow table. For Income and Investment rows more detailed data is included when available.

Table and Table sort fields can be used to filter Cash flow from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Cash Flow	400	Income	200000	C9000	Passenger traffic	210000
Cash Flow	400	Income	200000	C9000	Passenger traffic	210000
Cash Flow	400	Income	200000	C9000	Passenger traffic	210000

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for cash flow can include Income, Variable costs, Fixed costs, Income tax, Change in working capital, Asset investments and realizations etc.

If totals are included, the following row types can be included: Cash flow from operations, Free cash flow (FCF), Discounted free cash flow (DFCF), Total cash flow and Cumulative total cash flow.

Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Passenger traffic		Passenger traffic		Value	1 400 000,00
Passenger traffic		Passenger traffic		Value	1 513 680,00
Passenger traffic		Passenger traffic		Value	1 631 347,20

Row name 2 is first level specification row text when available and when specification rows are included, otherwise Row name 2 is a duplicate of Row name. Row sort 2 is not used.

Row name 3 is second level specification row text when available and when specification rows are included, otherwise Row name 3 is a duplicate of Row name 2. Row sort 3 is not used.

Data type holds info on what kind of data the row holds. Possible data types are Value, Residual Value, Total and Residual Value Total.

The Amount field holds the amount for the row and period. Zero values are not included.

Example of a matrix report in Power BI (Cash flow from example file):

\bigcirc	Project	\sim				
\odot	New flight route	\sim	EUR			
Cash flo	ow	2021	2022	2023	2024	2025
⊟ Inco	ome					
Pa	ssenger traffic	1 400 000	1 513 680	1 631 347	1 753 116	1 879 102
Ma	ail service revenue	200 000	200 000	200 000	200 000	200 000
🗄 Vari	able costs	-269 760	-282 499	-295 640	-309 194	-323 171
🗄 Fixe	ed costs	-582 500	-594 150	-606 033	-670 464	-683 873
🗄 Inco	ome tax	-68 697	-95 484	-265 871	-143 538	-173 118
⊟ Cha	nge in working capital					
Sh	nort-term assets	-1 33 333	-9 473	-9 806	-10 147	-10 499
Inv	ventories	-62 991	-1 367	-1 396	-1 427	-1 457
Cu	irrent liabilities	43 938	1 108	1 135	1 162	1 190
🗄 CAS	SH FLOW FROM OPERATIONS	526 657	731 815	653 736	819 509	888 175
🗆 Asse	et investments and realizations					
Air	rcraft	-4 750 000				
Re	estoration of airstrip	-200 000				
Te	rminal building			148 438		
🗄 Extr	raordinary income & expenses			451 563		
⊕ FRE	E CASH FLOW (FCF)	-4 423 343	731 815	1 253 736	819 509	888 175
⊕ DIS	COUNTED FREE CASH FLOW (DFCF)	-4 471 916	603 050	937 852	556 491	547 494
⊕ CUN	MULATIVE DISCOUNTED FREE CASH FLOW	-4 471 916	-3 868 866	-2 931 014	-2 374 523	-1 827 029
🗄 Fina	ancial income and expenses	-120 276	-180 415	-146 050	-111 685	-77 321
🗄 Cor	rection of income tax for financial items	36 083	54 124	43 815	33 506	23 196
🗄 Lon	g-term debt, increase (+) / decrease (-)	3 483 333	-633 333	-633 333	-633 333	-633 333
⊞ Equ	ity, increase (+) / decrease (-)	1 187 500				
⊕ TOT	AL CASH FLOW	163 297	-27 809	518 168	107 996	200 717
⊕ CUN	MULATIVE TOTAL CASH FLOW	163 297	135 488	653 656	761 653	962 370

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}					Row name 3	
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The matrix visualization settings of the example:

Alternative example of a matrix report in Power BI (Cash flow from example files):

Cash flow	2021	2022	2023	2024	2025
□ Income					
Alpha Machine 37	2 585 206	9 742 982	11 935 153	14 620 563	17 910 189
Hospital property 37	639 667	652 461	665 510	678 820	692 396
New flight route	1 600 000	1 713 680	1 831 347	1 953 116	2 079 102
Wind power plant 1 MW		669 870	689 966	710 665	731 985
Variable costs	-2 486 048	-7 491 884	-9 022 340	-10 923 122	-13 247 429
	-1 527 000	-3 231 540	-3 249 071	-3 319 289	-3 338 630
🗄 Income tax	-85 604	-176 760	-545 278	-658 483	-970 167
Change in working capital	-1 166 980	-203 880	-271 149	-329 910	-401 815
CASH FLOW FROM OPERATIONS	-440 758	1 674 929	2 034 139	2 732 359	3 455 632
Asset investments and realizations					
Alpha Machine 37	-2 700 000		-90 000		-45 000
Hospital property 37	-485 000	-277 000	-166 000	-110 500	-20 000
New flight route	-4 950 000		148 438		
Wind power plant 1 MW	-3 610 000				
Extraordinary income & expenses			451 563		
FREE CASH FLOW (FCF)	-12 185 758	1 397 929	2 378 139	2 621 859	3 390 632
DISCOUNTED FREE CASH FLOW (DFCF)	-12 037 043	1 179 632	1 824 881	1 871 020	2 230 566
CUMULATIVE DISCOUNTED FREE CASH FLOW	-12 037 043	-10 857 411	-9 032 530	-7 161 511	-4 930 944
Financial income and expenses	-120 276	-180 415	-146 050	-111 685	-77 321
Correction of income tax for financial items	36 083	54 124	43 815	33 506	23 196
	3 483 333	-633 333	-633 333	-633 333	-633 333
Equity, increase (+) / decrease (-)	1 187 500				
TOTAL CASH FLOW	-7 599 118	638 306	1 642 571	1 910 346	2 703 174
CUMULATIVE TOTAL CASH FLOW	-7 599 118	-6 960 812	-5 318 242	-3 407 895	-704 721

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		Ω Σ	Row sort 3
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Table is Cash Flow	× × A		

The matrix visualization settings of the alternative example:

Balance sheet data

Balance sheet data include data in the Balance sheet.

Table and Table sort fields can be used to filter Balance from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Balance	500	ASSETS	600000	C5650	Machinery and equipment	6040000
Balance	500	ASSETS	600000	C5650	Machinery and equipment	6040000
Balance	500	ASSETS	600000	C5650	Machinery and equipment	6040000

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for Balance include ASSETS and SHAREHOLDERS' EQUITY AND LIABILITIES.

Totals are not included for Balance sheet data.

Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description and Row sort can be used to sort rows (when possible).

Row sort	Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
6040000	Fixed assets and other non-current assets	6000000	Tangible assets	6010000	Value	4 627 187,50
6040000	Fixed assets and other non-current assets	6000000	Tangible assets	6010000	Value	4 108 437,50
6040000	Fixed assets and other non-current assets	6000000	Tangible assets	6010000	Value	3 465 000,00

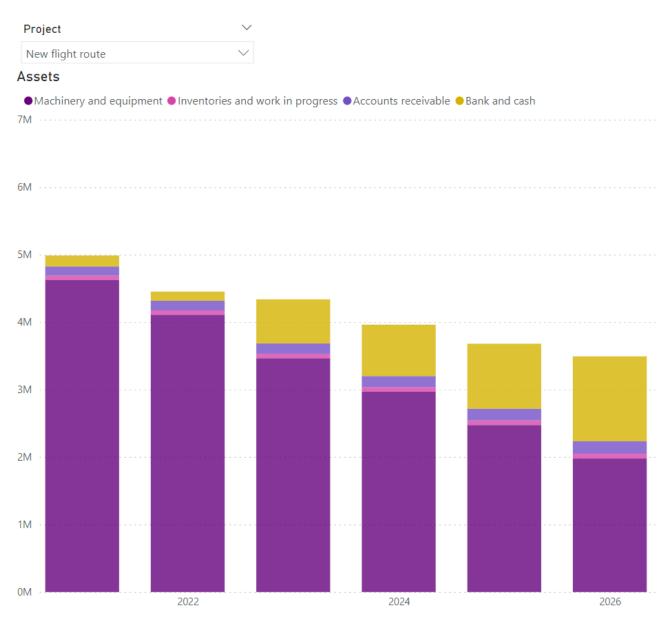
Row name 2 is first level header row text. Row sort 2 can be used to sort Row name 2 (when possible).

Row name 3 is second level header row text. Row sort 3 can be used to sort Row name 3 (when possible).

Data type holds info on what kind of data the row holds. Possible data types are Value and Residual Value.

The Amount field holds the amount for the row and period. Zero values are not included.

Example of a stacked column chart in Power BI (Balance from example file):



Visualizations >>> \gg Data Build visual ♀ Search 办 ଲ 🖶 Data 🗹 Σ Amount E 🖬 E 🖬 E 👖 Currency \sim Data type 7 l m > 🗌 😇 Date -1 🕲 🤁 🔺 🙉 🖽 $\Box \sum$ Figures R R ☑ ∑ Financial year 2 ∇ Py Info E°. 머닐 . . Info 2 ... //23 / 探 \otimes \supset $\Box \Sigma$ Month . . . Project X-axis Row code ~ Row name Financial year $\sim \times$ Row name 2 Y-axis Row name 3 Sum of Amount Σ Row sort $\sim \times$ □ ∑ Row sort 2 Legend □ ∑ Row sort 3 Row name $\sim \times$ Row type Small multiples $\Box \Sigma$ Row type sort Scenario Add data fields here Source.Name \square Tooltips Table Add data fields here □ ∑ Table sort Drill through □ ∑ Year Cross-report Off Keep all filters On Row type ∨ × A is ASSETS Table ∨ × A is Balance

The stacked column chart visualization settings of the example:

Key financials

Key financials include data in the Key financials table.

Table and Table sort fields can be used to filter Key financials from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Key financials	600	Liquidity	1100	C8202	Current Ratio	7020000
Key financials	600	Liquidity	1100	C8202	Current Ratio	7020000
Key financials	600	Liquidity	1100	C8202	Current Ratio	7020000

Row type is used to group rows of different kind. Row type sort can be used to sort row types (when possible). Row types for Key financials include texts from rows that have no numeric data (i.e. headers) in the Key financials table.

Totals are not included for Key financials.

Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description from a row with numeric data in the Key financials table and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Current Ratio		Current Ratio		Indicator	0,53
Current Ratio		Current Ratio		Indicator	0,51
Current Ratio		Current Ratio		Indicator	1,28

Row name 2 is a duplicate of Row name. Row sort 2 is not used. Row name 3 is a duplicate of Row name 2. Row sort 3 is not used.

Data type holds info on what kind of data the row holds. Possible data types are Value and Residual Value.

The Amount field holds the amount for the row and period. Zero values are not included. If the number format is %, the amount is multiplied with 100.

Example of a matrix report in Power BI (Key financials from example file):

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0,53	0,51	1,28	1,46	1,77	4,13	43,84	64,24	85,11	106,
0,44	0,41	1,19	1,36	1,67	3,94	42,43	62,84	83,72	105,
0,30	0,25	1,24	1,47	1,89	6,90				
0,24	0,20	0,96	1,12	1,41	3,43	38,60	58,88	79,63	100,
6,57	4,42	4,52	4,63	4,74	4,84	4,95	5,06	5,16	5,
24,00	12,41	12,40	12,39	12,37	12,36	12,36	12,35	12,34	12,
1,27	1,26	0,98	0,91	0,84	0,75	0,67	0,61	0,55	0,
0,64	0,36	0,42	0,47	0,54	0,62	0,65	0,62	0,56	0,
10,50	10,57	10,64	10,70	10,75	10,80	10,85	10,90	10,94	10,
83,14	83,52	83,86	84,17	84,46	84,72	84,97	85,19	85,40	85,
46,73	48,84	50,76	49,84	51,56	53,15	54,61	55,97	57,23	58,
14,31	18,57	23,74	24,50	27,76	30,75	33,50	36,04	38,39	40
4,76	5,63	28,29	13,15	16,83	20,16	23,19	25,23	26,88	28,
3,05	2,05	11,79	6,19	9,16	12,42	15,07	15,53	15,02	14
4,61	7,03	22,41	14,09	19,83	28,00	40,42	61,33	103,31	228,
5,31	8,44	11,88	14,58	19,25	21,73	21,40	20,83	20,17	19,
10,63	7,88	11,70	13,79	18,38	22,19	23,11	22,47	21,70	20,
1,60	2,29	12,65	6,90	10,18	13,72	15,65	15,28	14,69	14
12,04	7,36	32,00	12,79	15,14	16,45	16,98	16,54	15,86	15,
	1,15	1,14	1,02	1,07	1,06	1,05	1,04	1,03	1,
	0,95	2,69	0,71	1,07	1,04	1,03	1,01	1,00	1,
	1,10	3,08	0,72	1,14	1,10	1,08	1,05	1,03	1,
0,71	0,65	0,52	0,41	0,27	0,10	0,01	0,01	0,01	
2,79	2,13	1,20	0,76	0,40	0,13	0,01	0,01	0,01	
1,90	1,76	2,98	4,28	7,46	15,81	91,40			
6,22	1,03	1,19	1,31	1,51	1,74	3,94			
1,07	1,09	0,95	0,91	0,83	0,63	0,40	0,23	0,10	
0,08	0,08	0,25	0,33	0,49	0,76	1,51	3,39	9,21	
	0,53 0,44 0,30 0,24 6,57 24,00 1,27 0,64 10,50 83,14 46,73 14,31 4,76 3,05 4,61 5,31 10,63 12,04 0 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 12,04 13,05 14,07 14,07	0,53 0,51 0,44 0,41 0,30 0,25 0,24 0,20 0,24 0,20 0,24 0,20 1,27 1,26 0,64 0,36 1,27 1,26 0,64 0,36 10,50 10,57 4,61 0,36 14,31 18,57 4,67 5,63 3,05 2,05 4,61 7,03 5,31 8,44 10,63 7,88 10,63 7,88 11,06 2,29 12,04 7,36 0,71 0,95 1,10 1,15 0,71 0,65 2,79 2,13 1,90 1,76 6,22 1,03 1,07 1,09 0,0,8 0,08	0,53 0,51 1,28 0,44 0,41 1,19 0,30 0,25 1,24 0,24 0,20 0,96 0,24 0,20 0,96 0,24 0,20 0,96 24,00 12,41 12,40 1,27 1,26 0,98 0,64 0,36 0,42 10,50 10,57 10,64 40,73 48,84 50,76 44,61 7,03 22,41 4,76 5,63 28,29 3,05 2,05 11,79 4,61 7,03 22,41 5,31 8,44 11,88 10,63 7,88 11,70 11,60 2,29 12,65 12,04 7,36 32,00 11,5 1,14 0,95 12,04 7,36 32,00 11,00 3,08 1,26 12,04 7,36 32,00 11,05 1,14	0,53 0,51 1,28 1,46 0,44 0,41 1,19 1,36 0,30 0,25 1,24 1,47 0,24 0,20 0,96 1,12 0,24 0,20 0,96 1,12 0,24 0,20 0,96 1,12 0,24 0,20 0,96 1,23 6,57 4,42 4,52 4,63 24,00 12,41 12,40 12,39 1,27 1,26 0,98 0,91 0,64 0,36 0,42 0,47 10,50 10,57 10,64 10,70 46,73 48,84 50,76 49,84 14,31 18,57 23,74 24,50 4,61 7,03 22,41 14,09 5,51 8,44 11,88 14,58 10,63 7,88 11,70 13,79 11,60 2,29 12,65 6,90 12,04 7,36 32,00 12,7	Nome Nom Nom Nom Nom 0,53 0,51 1,28 1,46 1,77 0,44 0,41 1,19 1,36 1,67 0,30 0,25 1,24 1,47 1,89 0,24 0,20 0,96 1,12 1,41 20,24 0,20 0,96 1,23 1,41 20,24 0,20 0,96 1,12 1,41 20,24 0,20 0,96 1,12 1,41 24,00 12,41 12,40 12,39 12,37 1,27 1,26 0,98 0,91 0,84 0,64 0,36 0,42 0,47 0,54 10,50 10,57 10,64 10,70 10,75 10,50 10,57 10,64 10,70 10,75 14,31 18,57 23,74 24,50 27,76 4,61 7,03 22,41 14,09 19,83 5,31 8,44 11,88 <td< td=""><td>No.53 0,51 1,28 1,46 1,77 4,13 0,44 0,41 1,19 1,36 1,67 3,94 0,30 0,25 1,24 1,47 1,89 6,90 0,24 0,20 0,96 1,12 1,41 3,43 0,24 0,20 0,96 1,12 1,41 3,43 2 </td><td>Normal Normal Normal</td><td>Normal Name Normal Name</td><td>No.53 0.51 1.28 1.46 1.77 4.13 43.84 64.24 85.11 0,44 0,41 1,19 1,36 1,67 3,94 42,43 62,84 83,72 0,30 0,25 1,24 1,47 1,89 6,90 </td></td<>	No.53 0,51 1,28 1,46 1,77 4,13 0,44 0,41 1,19 1,36 1,67 3,94 0,30 0,25 1,24 1,47 1,89 6,90 0,24 0,20 0,96 1,12 1,41 3,43 0,24 0,20 0,96 1,12 1,41 3,43 2	Normal	Normal Name Normal Name	No.53 0.51 1.28 1.46 1.77 4.13 43.84 64.24 85.11 0,44 0,41 1,19 1,36 1,67 3,94 42,43 62,84 83,72 0,30 0,25 1,24 1,47 1,89 6,90

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The matrix visualization settings of the example:

Profitability indicators

Profitability indicators include data in the Profitability analysis (Result sheet).

Table and Table sort fields can be used to filter Profitability indicators from other type of data.

Table	Table sort	Row type	Row type sort	Row code	Row name	Row sort
Profitability	900	To Firm	100	C120	Nominal value of all investments	9010000
Profitability	900	To Firm	100	C130	Required rate of return, %	9020000
Profitability	900	To Firm	100	C140	Calculation term	9030000

Row type is To Firm or To Equity. Totals are not included for Key financials.

Row code is an internal identifier used by Invest for Excel. It is included for reference. Row name is the row description in the Profitability analysis and Row sort can be used to sort rows (when possible).

Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Nominal value of all investments		Nominal value of all investments		Value	4 950 000,00
Required rate of return, %		Required rate of return, %		Rate of return	10,16
Calculation term		Calculation term		Years	10,00

Row name 2 is a duplicate of Row name. Row sort 2 is not used. Row name 3 is a duplicate of Row name 2. Row sort 3 is not used.

Data type holds info on what kind of data the row holds. Possible data types are Rate of return, Present value, Annuity, Index, Years, Value Added and Value.

The Amount field holds the amount for the row. Zero values are not included. Return-% amounts are multiplied with 100.

Example of a matrix reports in Power BI (Profitability indicators from example file):

Project		\sim	
New flight route	\sim		
Profitability, added value		2021	
Nominal value of all investments	4 95	000 000	
PV of operative cash flow	5 67	6 950	
PV of residual value	45	2 742	
Present value of business cash flows	6 12	6 129 692	
Investment proposal	-4 95	000 00	
Net Present Value (NPV)	1 17	'9 <mark>6</mark> 92	
Profitability, return	2021		
Required rate of return, %	10,2		
Internal Rate of Return (IRR), %	14,6		
Modified Internal Rate of Return (MIR	12,5		
Payback time, years	8,5		

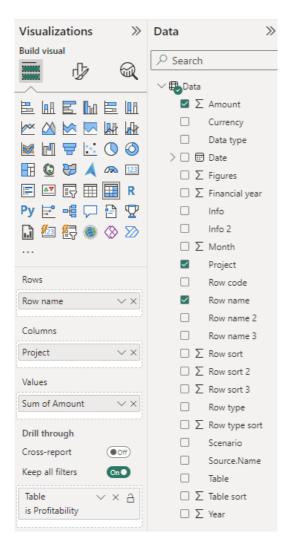
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 PV of operative cusinii 1 PV of residual value 1 Present value of busi 1 	Columns	Row name 2 Row name 3
Require single selection	Financial year $\checkmark \times$	$\Box \Sigma$ Row sort $\Box \Sigma$ Row sort 2
Sum of Amount is (All)	Sum of Amount VX	□ ∑ Row sort 3 □ Row type
Table is Profitability	Drill through Cross-report	 □ ∑ Row type sort □ Scenario
Add data fields here	Keep all filters	Source.Name
	Add drill-through fields here	 □ ∑ Table sort □ ∑ Year

The matrix visualization settings of the example:

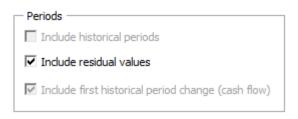
Alternative example of a matrix report in Power BI (Profitability indicators from example files):

Profitability indicators	Alpha Machine 37	Hospital property 37	Wind power plant 1 MW
Nominal value of all investments	2 835 000,0	1 358 500,0	3 610 000,0
Required rate of return, %	8,8	7,8	11,8
Calculation term	5,3	20,0	15,5
PV of operative cash flow	3 602 422,0	1 249 834,0	4 365 523,2
PV of residual value	1 993 831,8	67 894,4	15 090,2
Present value of business cash flows	5 596 253,8	1 317 728,4	4 380 613,3
Total Present Value (PV)	5 596 253,8	1 317 728,4	4 380 613,3
Proposed investments in assets	-2 770 983,8	-1 069 199,2	-3 453 954,3
Investment proposal	-2 770 983,8	-1 069 199,2	-3 453 954,3
Net Present Value (NPV)	2 825 270,0	248 529,2	926 659,1
NPV as a monthly annuity	54 945,0	2 000,3	10 494,2
Internal Rate of Return (IRR), %	24,3	11,2	16,0
Modified Internal Rate of Return (MIRR), %	21,0	9,5	13,5
Profitability Index (PI)	2,0	1,2	1,3
Payback time, years	4,8	14,8	10,6
Return on net assets (RONA), %	41,9	22,7	52,5
Value Added (VA)	821 745,4		229 032,5
Discounted Value Added (DCVA)	2 559 780,8		853 944,5
Internal Rate of Return based on DCVA (IRRd), %			15,4
Modified Internal Rate of Return based on DCVA (MIRRd), %			14,1
Payback time, years, based on DCVA			7,7

The matrix visualization settings of the example:



Periods



If the calculation file includes historical periods, you can choose to include them.

If the calculation file includes a residual column, you can choose to include its values. Note that any other residual values (perpetuity etc.) are not included.

When you extract historical data in a cash flow table, you can choose to include numbers in the first historical period. This is an option because the change in the first period is rarely a real change in cash.

Options

Options						
🔲 Include beginning balanc	e cash					
Include summable specifi	cation rows					
Include totals Totals in upper case						
Data figures	1					
Meta data language English (EN) 💌						
Scenario Base case 💌						

If the calculation includes historical periods, you can choose to **include beginning balance cash** in Cash flow data so that cumulative total cash flow equals Cash and bank in the balance sheet.

You can choose to **include summable specification rows** if available. For specification rows to be summable, operators * and / must not be used.

Example of summable specification rows:

	Income	14 209	21 888	31 854	36 529
+	Europe	14 209	14 132	16 576	17 580
+	Business area 1 5,00 %	14 209	12 898	14 637	15 556
+	Business area 2 5,00 %	i	1 234	1 283	1 335
+	Business area 3 5,00 %	i		656	689

Included in data:

Row name	Row sort	Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Income	210000	Europe		Business area 1		Value	14 209,00
Income	210000	Europe		Business area 1		Value	12 898,00
Income	210000	Europe		Business area 1		Value	14 637,00
Income	210000	Europe		Business area 1		Value	15 556,00
Income	210000	Europe		Business area 2		Value	1 234,00
Income	210000	Europe		Business area 2		Value	1 283,00
Income	210000	Europe		Business area 2		Value	1 335,00
Income	210000	Europe		Business area 3		Value	656,00
Income	210000	Europe		Business area 3		Value	689,00

Example of non-summable specification rows (operator * is used):

[≡	Passenger traffic	1 400 000	1 513 680	1 631 347	1 753 116
+	Number of passengers	5 000	5 300	5 600	5 900
+	Number of passengers	5 000	5 300	5 600	5 900
	Increase	5 000	300	300	300
	Capacity		8 320	8 320	8 320
	Cabin factor %		64 %	67 %	71 %
•	Average ticket price 2,00 %	280	286	291	297

Included in data:

Row name	Row sort	Row name 2	Row sort 2	Row name 3	Row sort 3	Data type	Amount
Passenger traffic	210000	Passenger traffic		Passenger traffic		Value	1 400 000,00
Passenger traffic	210000	Passenger traffic		Passenger traffic		Value	1 513 680,00
Passenger traffic	210000	Passenger traffic		Passenger traffic		Value	1 631 347,20
Passenger traffic	210000	Passenger traffic		Passenger traffic		Value	1 753 115,62

You can include totals (where relevant) and choose to make the totals upper case.

Income matrix with totals in upper case:

Income statement	2021	2022	2023	2024	2025
□ Income					
Passenger traffic	1 400 000	1 513 680	1 631 347	1 753 116	1 879 102
Mail service revenue	200 000	200 000	200 000	200 000	200 000
H INCOME TOTAL	1 600 000	1 713 680	1 831 347	1 953 116	2 079 102
□ Variable costs					
Fuel costs	-194 760	-201 409	-208 246	-215 277	-222 505
Handling costs	-75 000	-81 090	-87 394	-93 917	-100 666
GROSS MARGIN	1 330 240	1 431 181	1 535 707	1 643 922	1 755 931
□ Fixed costs					
Staff costs	-250 000	-255 000	-260 100	-265 302	-270 608
Maintenance costs	-332 500	-339 150	-345 933	-352 852	-359 909
Rents				-52 310	-53 356
⊞ EBITDA; OPERATING INCOME BEFORE DEPRECIATION	747 740	837 031	929 674	973 458	1 072 058
Depreciation	-518 750	-518 750	-495 000	-495 000	-495 000
BIT; OPERATING INCOME	228 990	318 281	434 674	478 458	577 0 58
Financing income and expenses	-120 276	-180 415	-146 050	-111 685	-77 321
Extraordinary income & expenses			451 563		
⊞ Income tax	-32 614	-41 360	-222 056	-110 032	-149 921
H BET INCOME FOR THE PERIOD ■	76 100	96 506	518 131	256 741	349 816

Income matrix without totals:

Income statement	2021	2022	2023	2024	2025
□ Income	1 600 000	1 713 680	1 831 347	1 953 116	2 079 102
Passenger traffic	1 400 000	1 513 680	1 631 347	1 753 116	1 879 102
Mail service revenue	200 000	200 000	200 000	200 000	200 000
Variable costs	-269 760	-282 499	-295 640	-309 194	-323 171
Fuel costs	-194 760	-201 409	-208 246	-215 277	-222 505
Handling costs	-75 000	-81 090	-87 394	-93 917	-100 666
□ Fixed costs	-582 500	-594 150	-606 033	-670 464	-683 873
Staff costs	-250 000	-255 000	-260 100	-265 302	-270 608
Maintenance costs	-332 500	-339 150	-345 933	-352 852	-359 909
Rents				-52 310	-53 356
Depreciation	-518 750	-518 750	-495 000	-495 000	-495 000
Financing income and expenses	-120 276	-180 415	-146 050	-111 685	-77 321
Extraordinary income & expenses			451 563		
Income tax	-32 614	-41 360	-222 056	-110 032	-149 921
Total	76 100	96 506	518 131	256 741	349 816

For **data figures** you can choose between 1, 1000 and 1000000. Any currency translation must be done separately.

You can choose a **meta data language** separate from the calculation file language. Meta data is headers etc. Note that if you use multiple data files as source for a Power BI report, they should all have the same meta data language.

You can use a **scenario** setting to separate different versions of the same calculation. The default scenarios are Base case, Worst case and Best case but you can also write your own scenario.

Create

Create		
	Save to folder	J
🔽 Create data file	D:\PowerBI\IFE_calculations	
Create data sheet		

You can choose to **create data file(s)** and specify to which folder you want to save it. Each type of data is written to its own file. The data files are written in xlsx file format and name includes calculation file name, type of data and date stamp.

AirlineData41010-12-ProfitabilityData01-2024-04-12_18-24-05.xlsx
AirlineData41010-12-KeyfinancialsData01-2024-04-12_18-24-04.xlsx
AirlineData41010-12-BalanceData01-2024-04-12_18-24-00.xlsx
AirlineData41010-12-CashFlowData01-2024-04-12_18-23-57.xlsx
AirlineData41010-12-WorkingCapitalData01-2024-04-12_18-23-55.xlsx
AirlineData41010-12-IncomeData01-2024-04-12_18-23-53.xlsx
AirlineData41010-12-InvestmentsData01-2024-04-12_18-23-50.xlsx

Note that the folder must exist, it won't be created. If the folder does not exist, the data files are written to Excel's current folder.

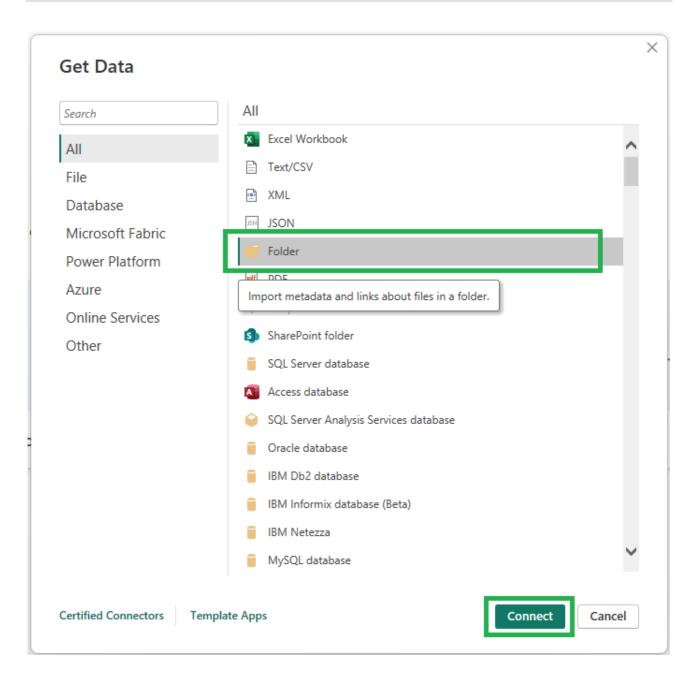
You can also **create a data sheet** in the calculation file. This is useful if you want to use the data in Excel or if you want to edit the data before writing it to a data file. Each type of data is written to its own sheet.

Using data files in Power BI Desktop

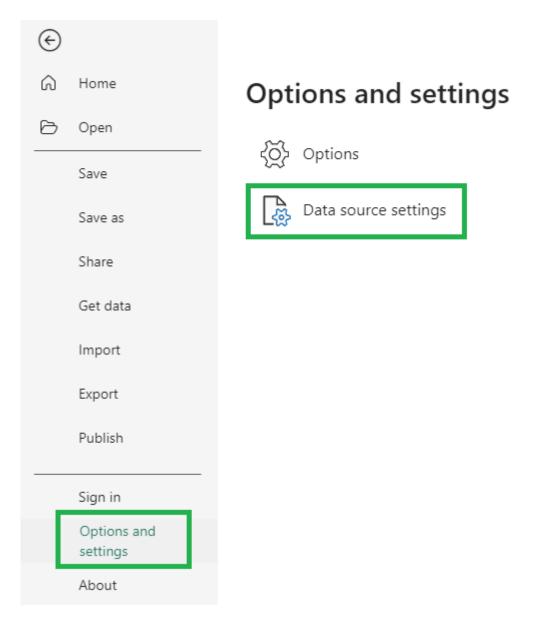
The best way to use the data in Power BI is to connect to the folder in which the data files reside.

In a new empty Power BI report:

Home In:	sert	Modeling	View	Ор
Cut Copy Format painter	Get data v	Excel Or workbook dat	neLake SC a hub v Sen	-
board	Com	nmon data so	ources	
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To connect an existing Power BI report to a new folder, choose **File – Options and settings – Data source settings – Change source**.



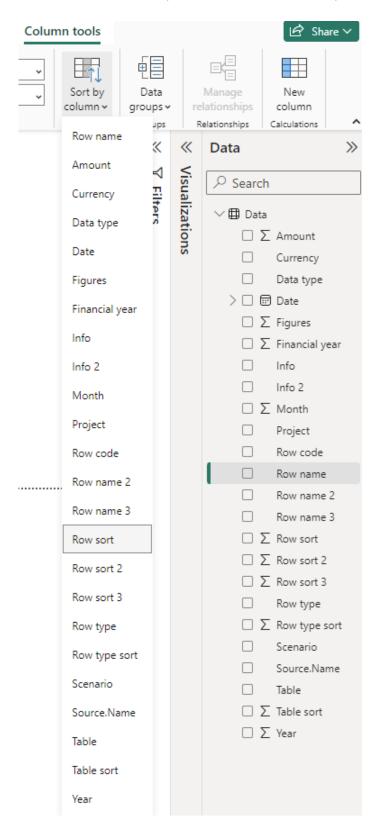
Data source settings	
Manage settings for data sources that you have connected to using Power BI Desktop.	
Data sources in current file Global permissions	
Search data source settings	A
d:\invest\ver400\powerbi\data41010-12	
Change Source Export PBIDS Edit Permissions Clear Permissions	
	Close
Folder	

:\PowerBI\IFEreports	Browse

Sorting in Power BI

The intended use of the sort fields are as follows:

Row name – Row sort (also Row code – Row sort):



Row name 2 – Row sort 2 Row name 3 – Row sort 3 Row type – Row type sort Table – Table sort

Note that sorting of a field may not be successful if there are multiple values of either field for one value in the other field. This will result in a message like this:

Sort by another column	×
We can't sort the 'Row name' column by 'Row sort'. There car than one value in 'Row sort' for the same value in 'Row name choose a different column for sorting or update the data in 'F	'. Please
	Close

What you can do when this happens is to

 Temporarily connect to the PowerBiSort folder under the Invest for Excel's program folder (default path: C:\Program Files (x86)\DataPartner\Invest for Excel\PowerBiSort) File – Options and settings – Data source settings – Change source

Folder	
older path	
C:\Program Files (x86)\DataPartner\Invest for Excel\PowerBiSort	Browse

This folder holds the PowerBISortFile.xlsx data file with data that can be sorted.

- 2. Sort the fields you want to sort.
- 3. Connect back to your data folder.

The sorting will now work whenever possible.

Combine data files

Combine data files will combine all data files in a folder to one big data file. Choose IFE File – Data – Combine data files from the menu.

File	IFE File Input Re	sult Analysi	s For	mat Ot	er					
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Select a folder and press OK:

Select Folder			×
\leftrightarrow \rightarrow \checkmark \uparrow $\stackrel{\frown}{=}$ \rightarrow This PC \rightarrow DATA (D:) \rightarrow Pr	owerBl > IFEdata	~ C Sear	ch IFEdata 🔎
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🛅 IFEdata		No items match your search.	
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The resulting file is a new workbook open in Excel.

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New flight route	Base case	1 EUR	31.12.2024 2024	12	2024 Balance	500 ASSETS	600000 C				ets and other non-curre			gible assets	6010000 V		2 970 000
New flight route	Base case	1 EUR	31.12.2025 2025	12	2025 Balance	500 ASSETS	600000 C				ets and other non-curre			gible assets	6010000 V		2 475 000
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New flight route	Base case	1 EUR	31.12.2027 2027	12	2027 Balance	500 ASSETS	600000 C				ets and other non-curre			gible assets	6010000 V		1 485 00
New flight route	Base case	1 EUR	31.12.2028 2028	12	2028 Balance	500 ASSETS	600000 C				ets and other non-curre			gible assets	6010000 V		990 00
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New flight route	Base case	1 EUR	31.12.2021 2021	12	2021 Balance	500 ASSETS	600000 C			6130000 Current As				entories and work in progress	6030000 V		62 99
New flight route	Base case	1 EUR	31.12.2022 2022	12	2022 Balance	500 ASSETS	600000 C			6130000 Current As				entories and work in progress	6030000 V		64 35
New flight route	Base case	1 EUR	31.12.2023 2023	12	2023 Balance	500 ASSETS	600000 C			6130000 Current As				entories and work in progress	6030000 V		65 75
New flight route	Base case	1 EUR	31.12.2024 2024	12	2024 Balance	500 ASSETS	600000 C			6130000 Current As				entories and work in progress	6030000 V		67 18
New flight route	Base case	1 EUR	31.12.2025 2025	12	2025 Balance	500 ASSETS	600000 C		ork in progress	6130000 Current As	ssets	6	020000 Inve	entories and work in progress	6030000 V	alue	68 63
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New flight route	Base case	1 EUR	31.12.2027 2027	12	2027 Balance	500 ASSETS	600000 C	5800 Inventories and w	ork in progress	6130000 Current As	ssets	6	020000 Inve	entories and work in progress	6030000 Va	alue	71 64
New flight route	Base case	1 EUR	31.12.2028 2028	12	2028 Balance	500 ASSETS	600000 C	5800 Inventories and w	ork in progress	6130000 Current As	ssets	6	020000 Inve	intories and work in progress	6030000 V	alue	73 20
New flight route	Base case	1 EUR	31.12.2029 2029	12	2029 Balance	500 ASSETS	600000 C	800 Inventories and w	ork in progress	6130000 Current As	ssets	6	020000 Inve	entories and work in progress	6030000 V	alue	74 78
New flight route	Base case	1 EUR	31.12.2021 2021	12	2021 Balance	500 ASSETS	600000 C	950 Accounts receival	ble	6140000 Current As	ssets	6	020000 Acc	ounts receivable	6040000 V	alue	133 33
New flight route	Base case	1 EUR	31.12.2022 2022	12	2022 Balance	500 ASSETS	600000 C	950 Accounts receival	ble	6140000 Current As	ssets	6	020000 Acc	ounts receivable	6040000 V	alue	142 80
New flight route	Base case	1 EUR	31.12.2023 2023	12	2023 Balance	500 ASSETS	600000 C	950 Accounts receival	ble	6140000 Current As	ssets	6	020000 Acc	ounts receivable	6040000 V	alue	152 61
New flight route	Base case	1 EUR	31.12.2024 2024	12	2024 Balance	500 ASSETS	600000 C	950 Accounts receival	ble	6140000 Current As	ssets	6	020000 Aco	ounts receivable	6040000 V	alue	162 75
New flight route	Base case	1 EUR	31.12.2025 2025	12	2025 Balance	500 ASSETS	600000 C	950 Accounts receival	ble	6140000 Current As	ssets	6	020000 Acc	ounts receivable	6040000 V	alue	173 25
New flight route	Base case	1 EUR	31.12.2026 2026	12	2026 Balance	500 ASSETS	600000 C			6140000 Current As				ounts receivable	6040000 V		184 11
New flight route	Base case	1 EUR	31.12.2027 2027	12	2027 Balance	500 ASSETS	600000 C			6140000 Current As				ounts receivable	6040000 V		195 35
New flight route	Base case	1 EUR	31.12.2028 2028	12	2028 Balance	500 ASSETS	600000 C			6140000 Current As				ounts receivable	6040000 V		206 96
New flight route	Base case	1 EUR	31.12.2029 2029	12	2029 Balance	500 ASSETS	600000 C			6140000 Current As				ounts receivable	6040000 V		218 97
New flight route	Base case	1 EUR	31.12.2023 2023	12	2023 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban		6080000 V		163 29
New flight route	Base case	1 EUR	31.12.2022 2022	12	2021 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban		6080000 V		135 48
New flight route	Base case	1 EUR	31.12.2023 2023	12	2022 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban		6080000 V		653 65
New flight route	Base case	1 EUR	31.12.2024 2024	12	2023 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban		6080000 V		761 65
Vew flight route	Base case	1 EUR	31.12.2025 2025	12	2024 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban		6080000 V		962 37
New flight route	Base case	1 EUR	31.12.2025 2025	12	2025 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban 020000 Ban		6080000 V		1 258 34
New flight route	Base case	1 EUR	31.12.2026 2026	12	2026 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban 020000 Ban		6080000 V		1 250 344
		1 EUR	31.12.2027 2027	12	2027 Balance	500 ASSETS	600000 C			6180000 Current As			020000 Ban 020000 Ban		6080000 V		3 078 52
New flight route	Base case	1 EUR	31.12.2028 2028 31.12.2029 2029	12			600000 C								6080000 V		
New flight route	Base case	T FOR	31.12.2029 2029	12	2029 Balance	500 ASSETS	600000 C	5110 Bank and cash		6180000 Current As	55605	6	020000 Ban	ik and cash	0000000 V	atue	4 267 44
Data	+									: <							

This function is useful if you want to edit the data, or you want to have one data file/sheet to use.

Save Sheet As Data File

You can use the **Save Sheet As Data File** function to write a data sheet to a data file. This is useful if you want to edit data in a sheet before writing to data file.

Activate the data sheet you want to save.

	ile Home Insert	Pa	ge Lay	out Forn	nulas D	ata Rev	view View	Aut	tomate	Developer	Add-ins	Help Pov	ver Pivot In	vest	P	<u>6</u> ~
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5	Hospital property 37			Base case			31.12.2024		12 12		Cash Flow		Income			
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/ B	Hospital property 37 Hospital property 37			Base case	1	-	31.12.2020		12		Cash Flow		Income			
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	Hospital property 37			Base case	_	-	31.12.2031		12		Cash Flow		Income			
	Hospital property 37			Base case	1		31.12.2032		12		Cash Flow		Income			
	Hospital property 37			Base case	1		31.12.2033		12		Cash Flow		Income			
	Hospital property 37			Base case	1		31.12.2034		12		Cash Flow		Income			
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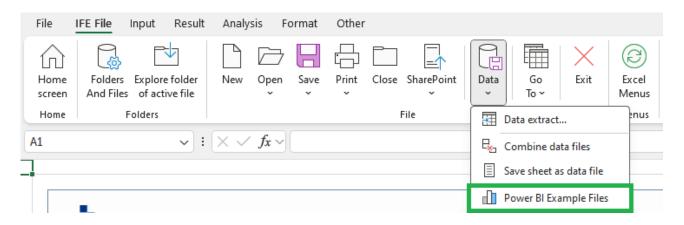
Choose Save Sheet As Data File from the IFE File - Data menu.

File	IFE File Inpu	ut Resul	t Analy	sis Fo	ormat	Other						
Home screen	Folders Exp And Files of	olore folder active file	New	Open v	Save	Print		SharePoint	Data		Exit	(2) Excel Menus
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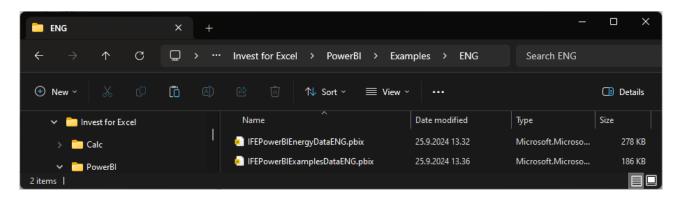
Save Sheet As Data File		×
File name		
Real Estate example-CashFlowData01-2024-05-23_15-09-19.xlsx		
Save to folder		
D:\PowerBI\IFEdata		
Show folder	Save	Cancel

The file name includes calculation file name, type of data and date stamp by default but can be changed. Select the folder where you want to save the file. The data file is written in xlsx file format. If the Show folder options is clicked, the folder where the file is saved is shown when ready.

Power BI Example files



When you choose "Power BI Example Files" from the Data menu, a folder with one or more Power BI example files is opened.



The example files require Microsoft Power BI Desktop and are included as example of how Invest for Excel data can be used in Power BI. The files are unprotected and can be modified freely.

Data functions in Excel menu

When Excel menus are shown, the data functions are found in a Data group after the File group in the Invest menu.

File Home Insert Page Layo	out Formulas Data R	eview View Au	tomate Developer	r Add-in	is Help Power	r Pivot Invest	
 □ Folders And Templates × □ New ▷ Open × □ Save × □ Print × □ Close × Exit 	Pasic Values ~ Data Time Financing	団 Profitability ₩îî Compare ~ ☞ Reports ~	፼ Analyze ∽ ⅔ Charts ⊞ Break Even ∽	Format	 	E Options ♥ Comment ~ ⑦ Help ~	(C) Invest Menus
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Investment V : >	× 🖧 Combine data files						
А	Save sheet as data file	ALUES					
Project description	Power BI Example Files						