Université Ibn Tofail
جامعة ابن طفيل
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Business Analytics
- Report Studio - IBM Cognos -
Focus Report Using Calculations

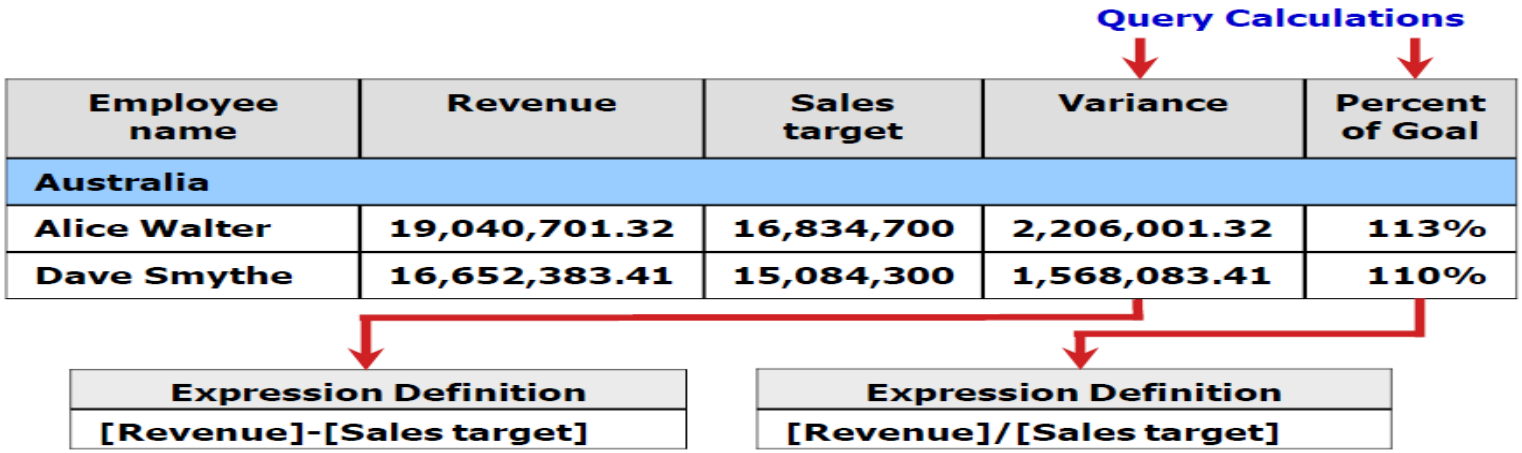
Med. AMNAI
Filière Master Cloud BIG DATA
Département d'Informatique

7 janvier 2022

Objectives

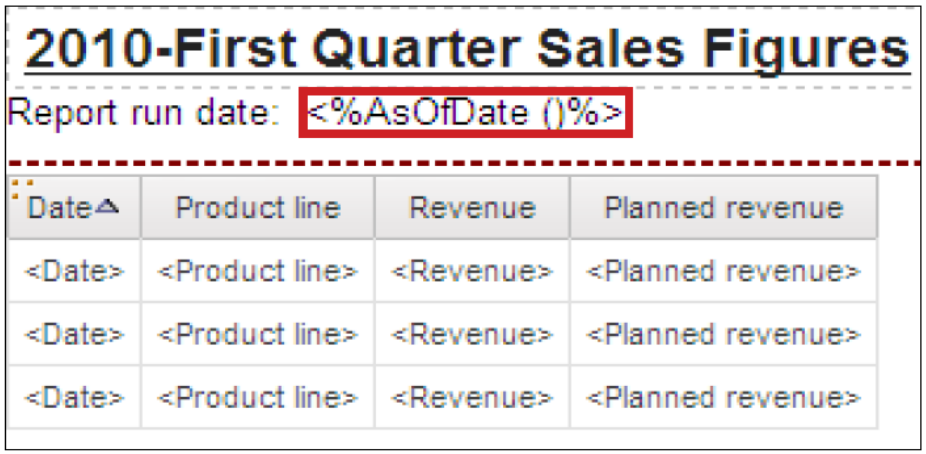
- Create calculations based on data in the data source ;
- Add run-time information to the reports ;
- Create expressions using functions.
- Display prompt selections in report titles.

Derive additional information from the data source

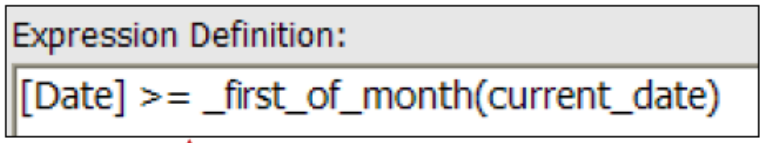


Add run-time information to your report

Layout calculation indicates the run date for this report



Add Date/Time functions to your report



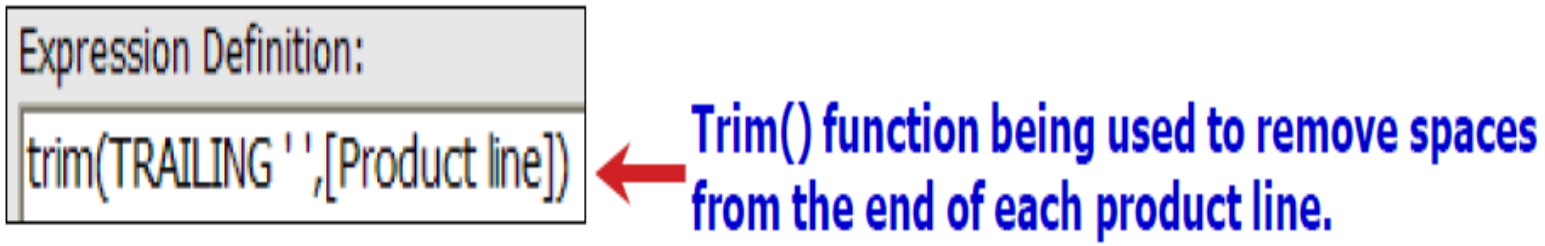
current_date returns today's date.

_first_of_month() function filters on return dates greater than or equal to the first of the current month.

If current_date is October 15, 2012, then the filter would return data for all dates starting at, and greater than October 1, 2012.

Add string functions to your report

Use string functions to in calculations and filters in your report to manipulate text data.



Other functions : substring(), upper(), lower(),....

Demo - TP 18 : Add calculations to a report

Demo - TP 18 : Add calculation to a report.

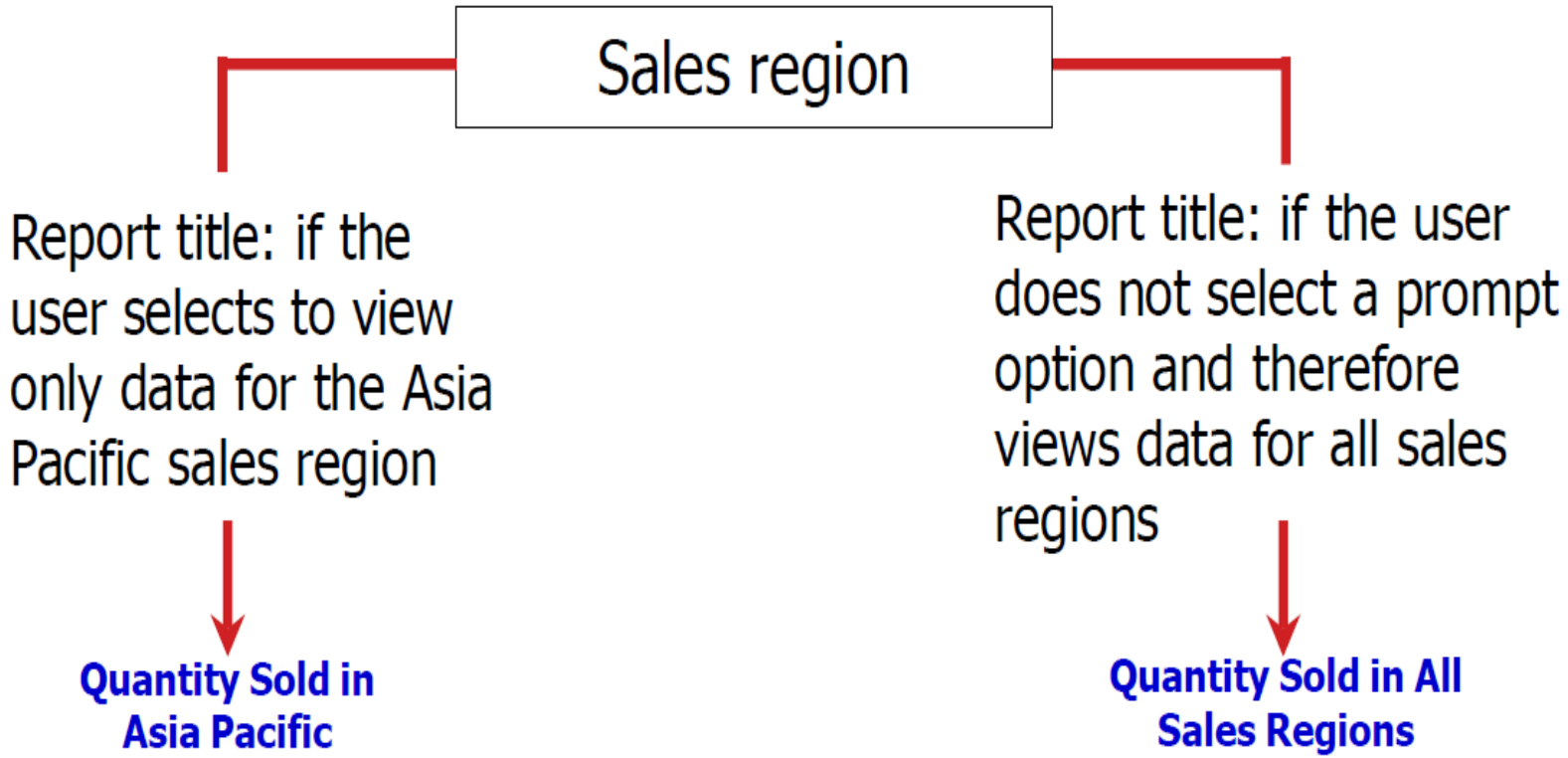
Sales Figures for January 2010

Report run by: Frank Bretton

Date	Product line	Revenue	Planned revenue	Percent of Goal
Jan 12, 2010	Camping Equipment	20,217,372.98	21,714,739.59	93%
Jan 12, 2010	Golf Equipment	9,141,599.89	9,815,894.17	93%
Jan 12, 2010	Outdoor Protection	2,263,380.47	2,393,032.12	95%
Jan 12, 2010	Personal Accessories	7,414,443.06	7,797,859.04	95%
Jan 13, 2010	Camping Equipment	5,000,710.6	5,350,515.31	93%
Jan 13, 2010	Golf Equipment	2,536,524.65	2,723,837.61	93%
Jan 13, 2010	Outdoor Protection	474,025.75	496,960.85	95%
Jan 13, 2010	Personal Accessories	3,477,197.59	3,586,395.95	97%
Jan 14, 2010	Camping Equipment	633,110.2	674,140.61	94%

Display prompt selections in report titles

You ca display information in the report title that describes the prompt option a user selects.



Display prompt selections in the report title

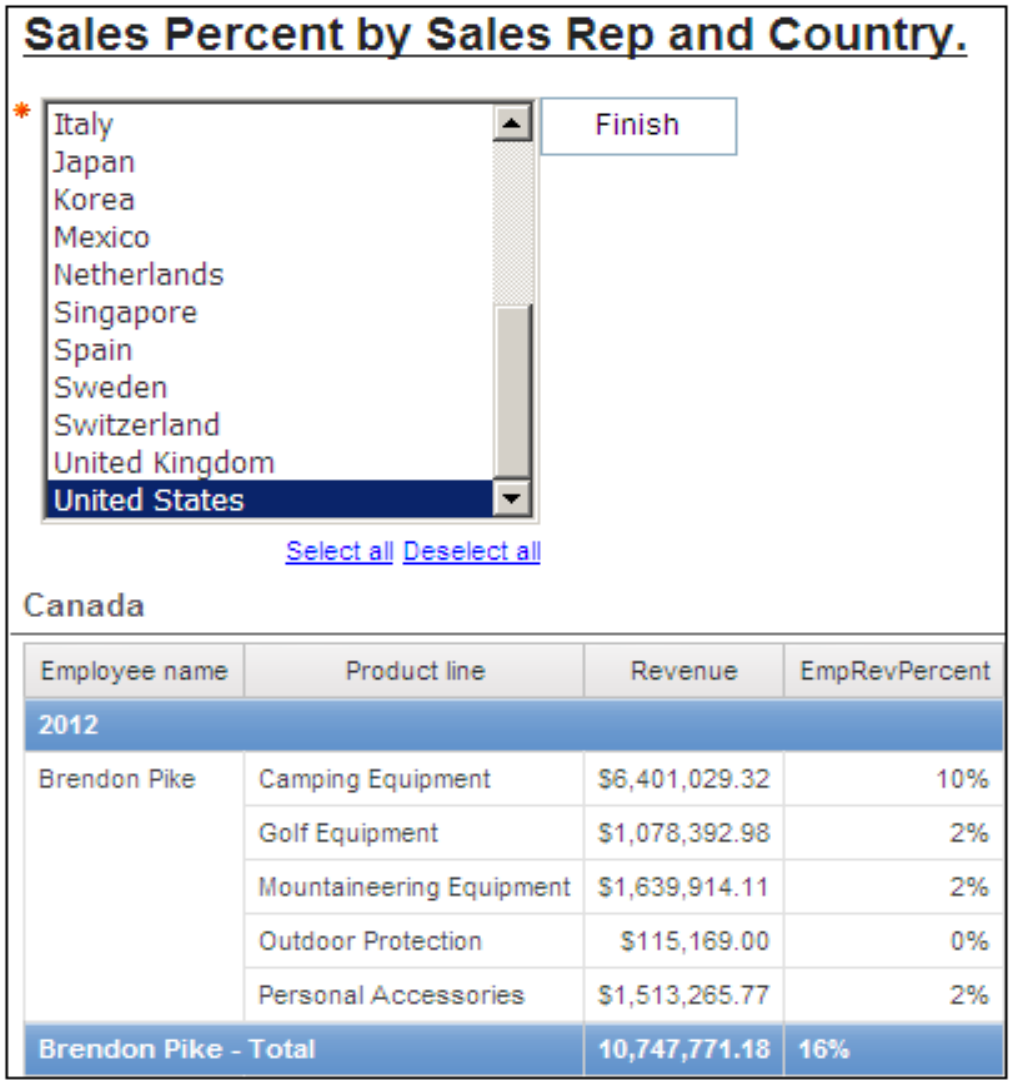
Demo - TP19 : Display prompt selections in the report title.

Quantity Sold in Asia Pacific

Quantity		2010	2011	2012	2013
PERSONAL ACCESSORIES	Binoculars	43,340	45,626	62,144	49,788
	Eyewear	22,252	50,760	79,760	69,607
	Knives	396,185	275,620	388,653	307,093
	Navigation	117,074	84,358	107,223	113,107
	Watches	33,936	46,015	60,211	44,995
	PERSONAL ACCESSORIES	**612,787**	**502,379**	**697,991**	**584,590**
MOUNTAINEERING EQUIPMENT	Climbing Accessories		410,155	526,482	573,585
	Rope		30,530	45,981	38,024
	Safety		85,114	104,518	87,855
	Tools		187,255	245,019	236,781
	MOUNTAINEERING EQUIPMENT		**713,054**	**922,000**	**936,245**

Sales percent by Sales Rep Country

Demo - TP20 : Sales percent by Sales Rep Country



Sales Percent by Sales Rep and Country.

* Italy, Japan, Korea, Mexico, Netherlands, Singapore, Spain, Sweden, Switzerland, United Kingdom, United States

Finish

Select all Deselect all

Canada

Employee name	Product line	Revenue	EmpRevPercent
2012			
Brendon Pike	Camping Equipment	$6,401,029.32	10%
	Golf Equipment	$1,078,392.98	2%
	Mountaineering Equipment	$1,639,914.11	2%
	Outdoor Protection	$115,169.00	0%
	Personal Accessories	$1,513,265.77	2%
Brendon Pike - Total		10,747,771.18	16%