IT Company Overview

Introduction

Power BI is a business analytics tool for visualizing and sharing insights we can get data from hundreds of sources using the same power query tool that's available in Excel. The data we will be working with is 12 months worth of budget and forecast data and 6 months worth of actual data for the it department of a global company. This is a modified data set from obvious the forecast budget and actual data is stored in csv files that have been exported from an accounting system the files contain records by date, department, cost, element, country and the amount. We also have an excel file containing dimension tables that contain further groupings for the cost element, country and IT departments.

Objetive

We want to compare performance against budget and find out if the costs have an adverse variance when actual or forecasted costs are higher than budget. Now for those statisticians who might be thinking that variance is the wrong term to use in this project, I have to clarify that this is a term accountants use to refer to the difference between a budgeted value and the actual value.

This project consist of 3 dashboards that describe the summary of the company:

- Overview
- Regions
- Decomposition

Overview gives a summary of the IT budget spend across all areas of the business, how is been spent and its forecast.

Regions ives us an idea of the budget situation among each región and highlights positive and negative variances.

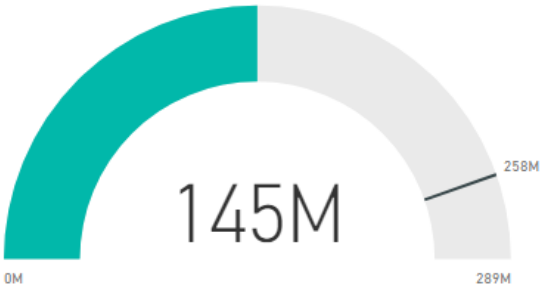
Decomposition consist of a tree that enables us to conduct root cause analysis to understand the factors contributing to the adverse variance to budget by visualizing data across multiple dimensions. Power bi automatically aggregates the data so we can drill down into dimensions in any order i can click on the plus beside budget v forecast and i can use power bi's ai to find the biggest contributor to the negative variance by choosing low value now by default it sorts in descending order. We can manage the decomposition tree as we want and it will update to show us the factors contributing to the variance allowing us to choose different paths to analyze and understand the causes of the variance.

07 2020 YTD

Region

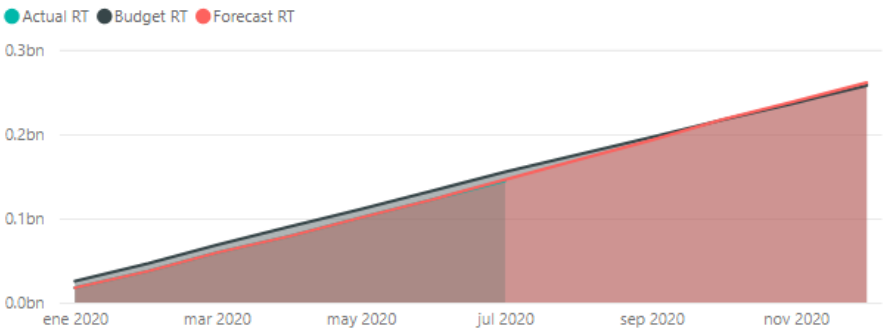
All

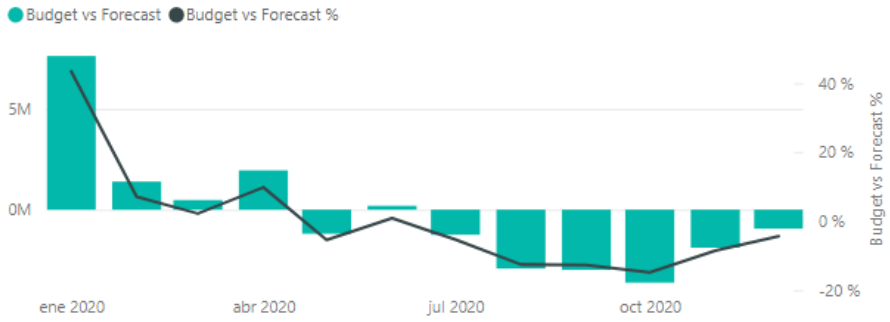
Actual YTD vs FY Budget

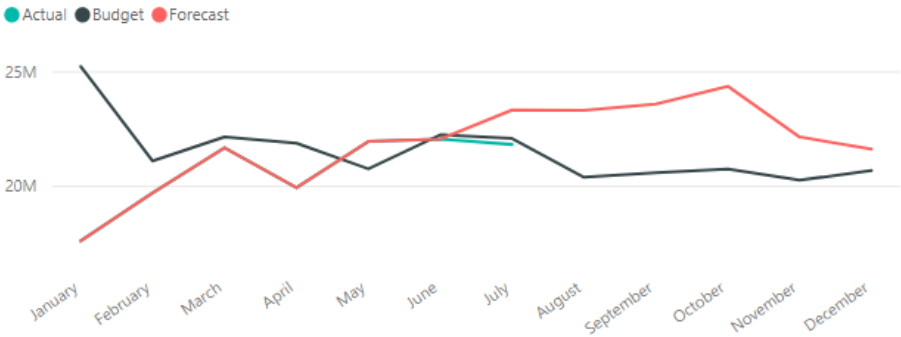


Forecast and Budget by Date

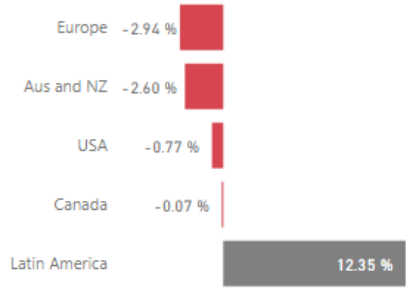
Running Total (RT)



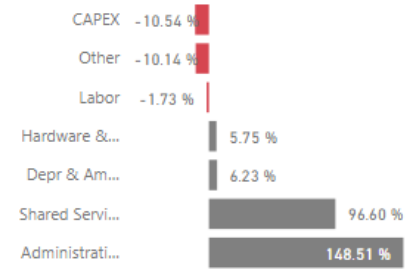




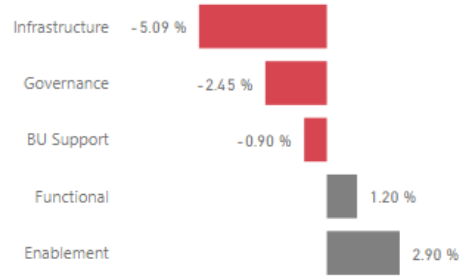
Budget vs Forecast %

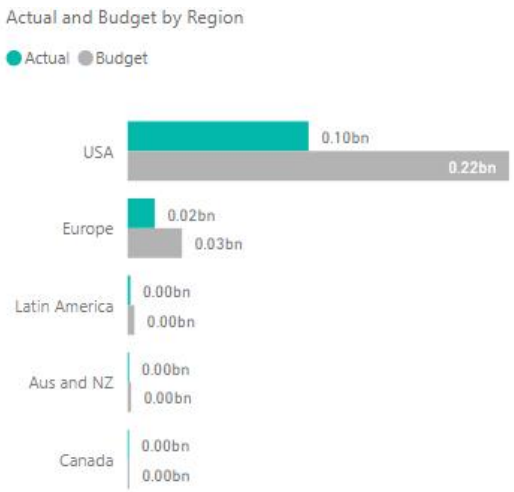


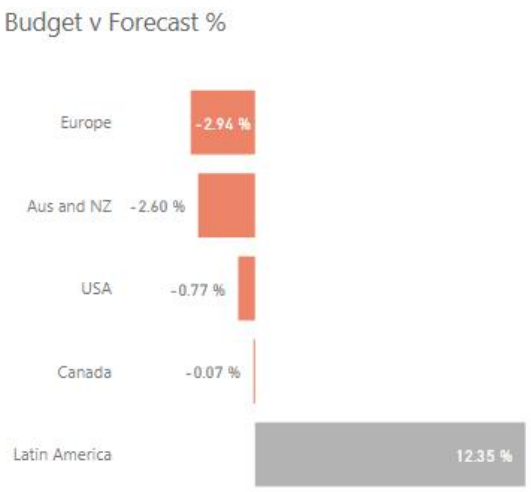
Budget vs Cost Elements

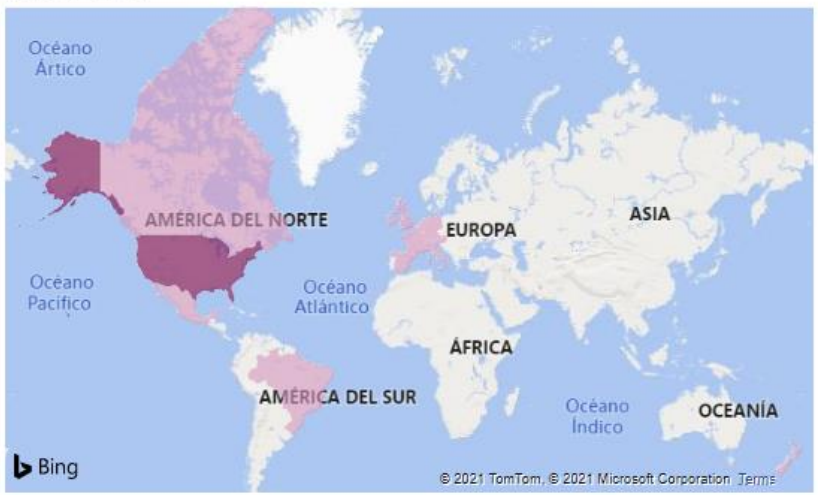


Budget vs Departments



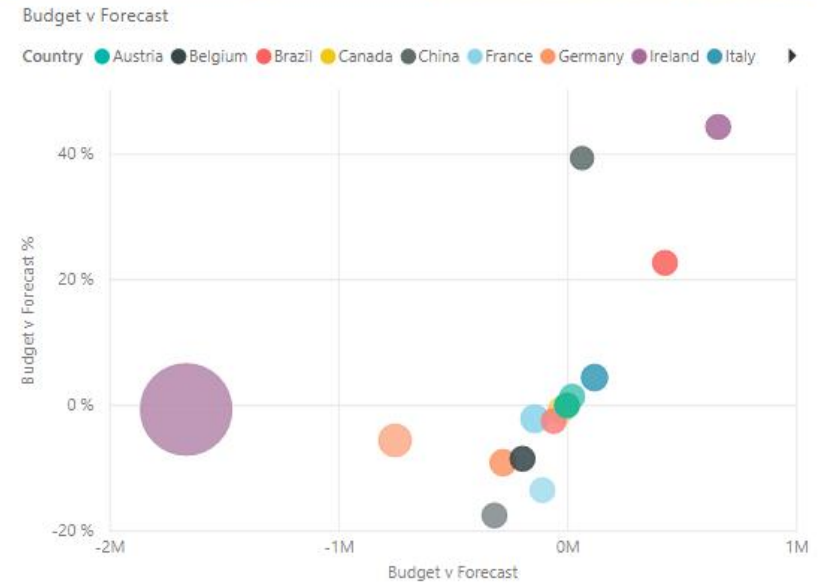


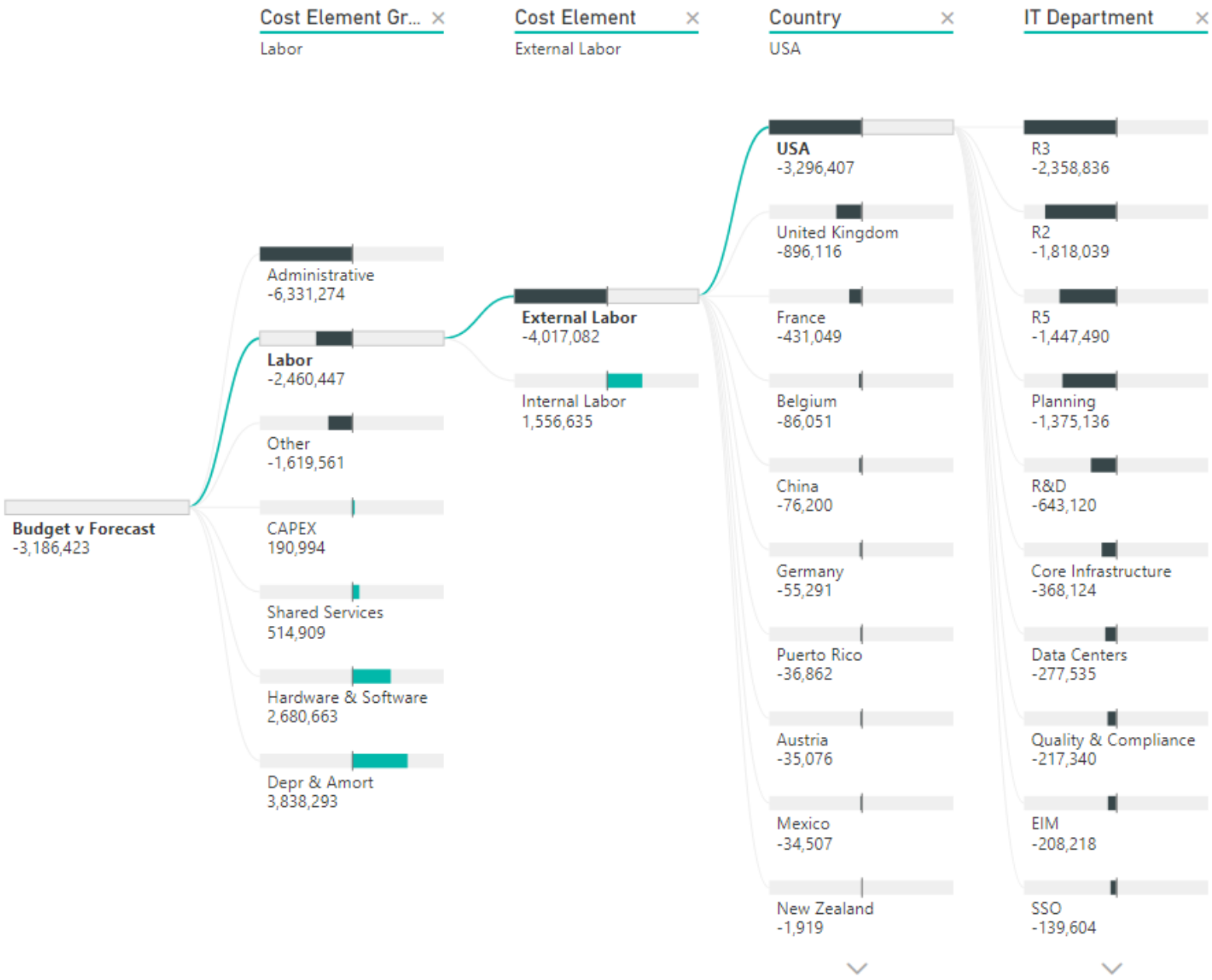




IT Area	Africa & Asia	Aus and NZ	Canada	Europe	Latin America	USA	Total
Functional			-358	581,472	8	455,073	**1,036,195**
Enablement				-293,932		656,599	**362,667**
Governance		4,973		-172,905		-207,897	**-375,829**
BU Support	-935,887		1,322	-442,327	22,149	647,393	**-707,350**
Infrastructure		-63,502	-1,746	-622,402	427,073	-3,241,529	**-3,502,106**
Total	**-935,887**	**-58,529**	**-782**	**-950,094**	**449,230**	**-1,690,361**	**-3,186,423**

Cost Element Group	Africa & Asia	Aus and NZ	Canada	Europe	Latin America	USA	Total
Administrative				39,066	427,104	-6,797,444	**-6,331,274**
CAPEX				149,513		41,481	**190,994**
Depr & Amort		893,721	23,638	22,203	20,124	2,878,607	**3,838,293**
Hardware & Software	-316,462	-469,506	-33,671	-146,718	5,750	3,641,270	**2,680,663**
Labor	-117,450	-72,233	69,712	282,748	-21,302	-2,601,922	**-2,460,447**
Other	-501,975	-410,511	-60,461	-1,305,120	17,553	640,953	**-1,619,561**
Shared Services				8,214	1	506,694	**514,909**
Total	**-935,887**	**-58,529**	**-782**	**-950,094**	**449,230**	**-1,690,361**	**-3,186,423**




Cost Element Gr...
Labor
Cost Element
External Labor
Country
USA
IT Department
Budget v Forecast
-3,186,423
Administrative
-6,331,274
Labor
-2,460,447
Other
-1,619,561
CAPEX
190,994
Shared Services
514,909
Hardware & Software
2,680,663
Depr & Amort
3,838,293
External Labor
-4,017,082
Internal Labor
1,556,635
USA
-3,296,407
United Kingdom
-896,116
France
-431,049
Belgium
-86,051
China
-76,200
Germany
-55,291
Puerto Rico
-36,862
Austria
-35,076
Mexico
-34,507
New Zealand
-1,919
R3
-2,358,836
R2
-1,818,039
R5
-1,447,490
Planning
-1,375,136
R&D
-643,120
Core Infrastructure
-368,124
Data Centers
-277,535
Quality & Compliance
-217,340
EIM
-208,218
SSO
-139,604