

Data Analytics using SAC

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(sorted by first letter of last name)

Agenda



1. Introduction



2. Data Pre-processing



3. Dashboards



4. Q&A Feedback



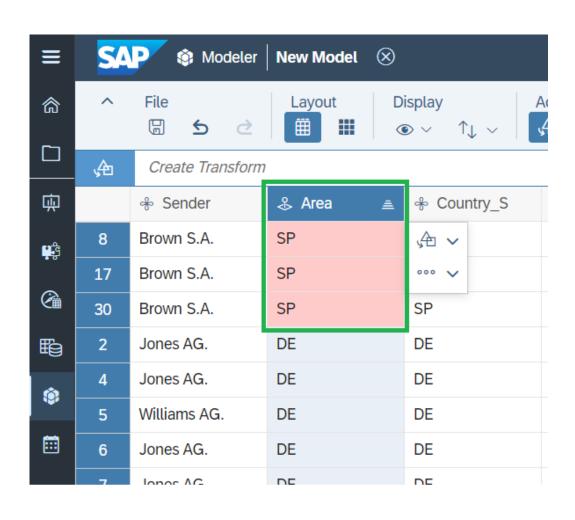
Introduction

Analyzing the Controlling dataset and creating insightful KPI using SAP Analytical Cloud Dashboards.



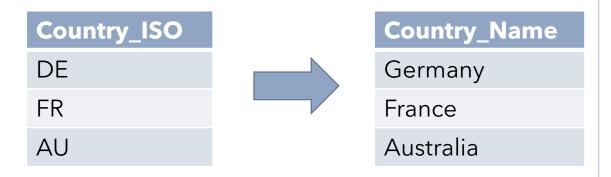
2. Data Preprocessing

Data Transformation



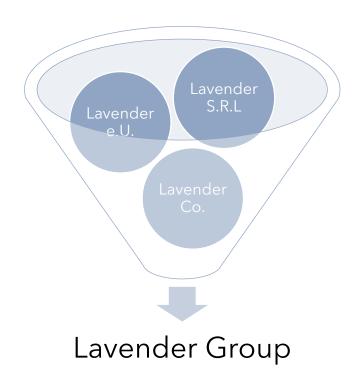
- No Missing Values
- 29 Rows and 7 columns
- Converting Sender and Receiver Country to Geo
- Reformed invalid ISO codes.
- Type Casted the Costs and TP Columns
- Renamed the columns for better understanding

Country name

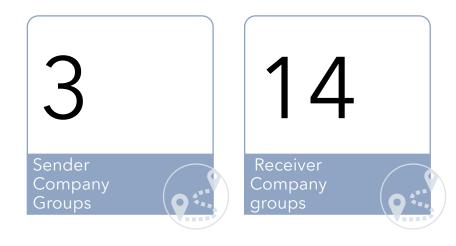


- Using the Actual Country Names instead of the Country ISO codes
- Joined the SAC Supported Counties Dataset to the Modeler

Receiver Company Groups



- 1. Grouping the Receiver Company names based on there root name.
- 2. Few Receiver groups have entities in more than on country.



Date & Profit details



Added the date details for the for each record.



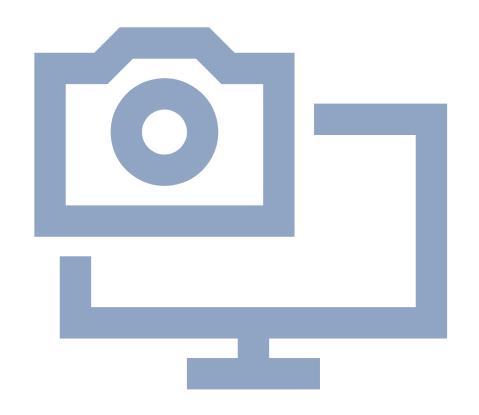
Calculated the Profit based on the costs and revenue.

Final Dataset

Date	_
Sender	5
Country_S	4
Receiver	30
Country_R	6
Service	4
Service.1	4
Costs	30
Sender_Group	4
Receiver_Group	15



ID	<u>ھ</u>	Description	
Costs		Costs	
Profit		Profit	
TP		Transfer Price	
Date		_	
Sender		5	
Country_S		4	
Receiver		30	
Country_R		6	
Service ID		4	
Service Name		4	
Sender_Group		4	
Receiver Group		15	
geo_sender		4	
geo_receiver		6	
Country_Receiver		6	
Country Sender		4	



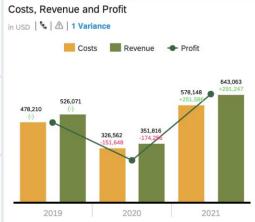
Dashboards ScreenShots

Controlling Dashboard



German Excellence. Global Relevance







\$1,382,920.00 Profit Share based on Receiver/Sender Country Profit per Receiver Group/Sender Group in USD | Top N (AUTO) Australia/Germany Australia/Singapore ____ Canada/France Jones Group/Lavender Group Brown Group/Coffee Group Jones Group/AquaS.R.L Group Brown Group/Navy Group Brown Group/Gray Group Jones Group/Gray Group Jones Group/Gray Group Canada/Germany Costa Rica/France Costa Rica/Germany Costa Rica/Singapore Japan/Germany Turkey/Germany Turkey/Singapore Jones Group/Eggshell Group Jones Group/Violet Group 11.02% 4.75% 12.40% 5.31% -25.92% 8.01% 5.78% -6.10% 7.32% 10.68% 7.21% 8.89% 16.71% 9.92% 10.45% Services Profit & Loss Over the Time Profit Growth at 2021 for Licences in Thousand USD | %

32.72

9.14



Filters

- Receiver Group
- ✓ All
- ✓ Apricot Group
- ✓ AquaS.R.L Group
- Show Inactive Values
- Date Range



- Service Name
- ✓ All
- ✓ HR
- ✓ Licences
- ✓ Marketing
- **Show Inactive Values**
- Sender_Group
- ✓ All
- ✓ Brown Group
- ✓ Jones Group
- ✓ Williams Group

Show Inactive Values

24.32 23.06 19.68 32.72 13.06 24.32 23.06 19.68 7.62 4.57 13.06 3.86 4.57 Marketing Licences

Marketing

2020

Licences

HR

HR

Marketing

2019

Total Profit in USD \$138,030.24 **Total Costs** in USD \$1,382,920.00 **Total Revenue** in USD \$1,520,950.24 Profit Growth **157.05%**

Profit Growth for Actual

Profit Growth

OK

Critical

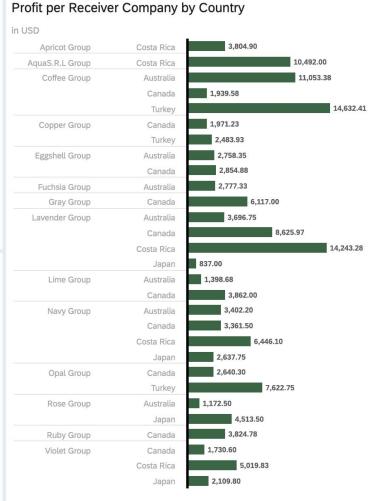


326,562

2020

2021

2019





Profit Growth at 2021 for HR

1 Filter

-29.97%

Profit Growth at 2021 for Licences

1 Filter

615.15%

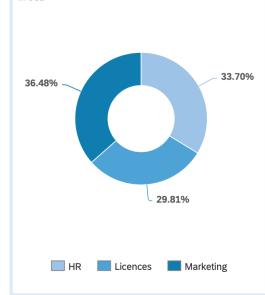
Profit Growth at 2021 for Marketing

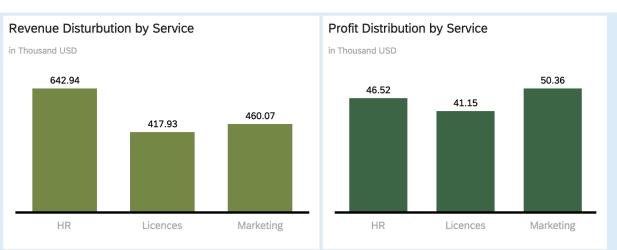
1 Filter

202.45%

Total Profit Split across Services

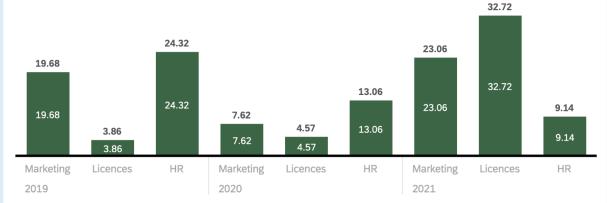
in USD



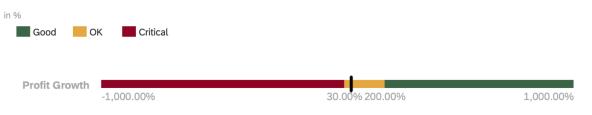


Services Profit & Loss over the Time

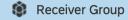
in Thousand USD



Profit Growth Evaluation



Filters



- ✓ All
- ✓ Apricot Group
- ✓ AquaS.R.L Group

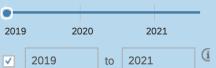
Show Inactive Values

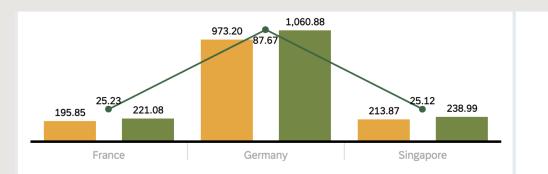


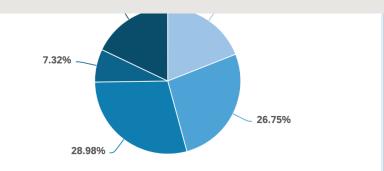
- ✓ All
- ✓ HR
- ✓ Licences
- ✓ Marketing

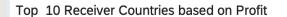
Show Inactive Values

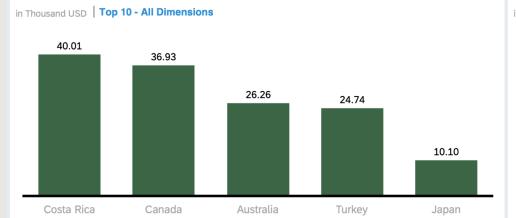
Date Range

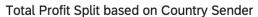


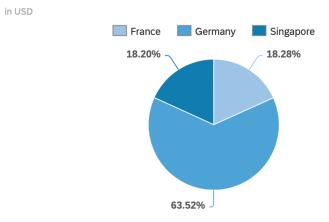


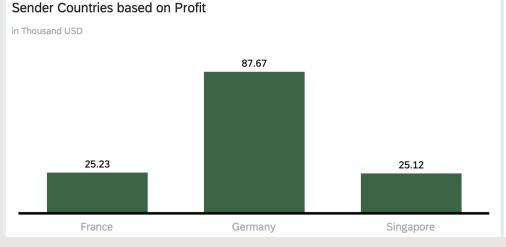




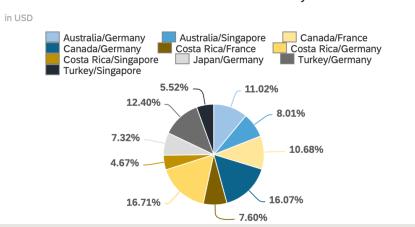








Profit Share based on Receiver and Sender Country



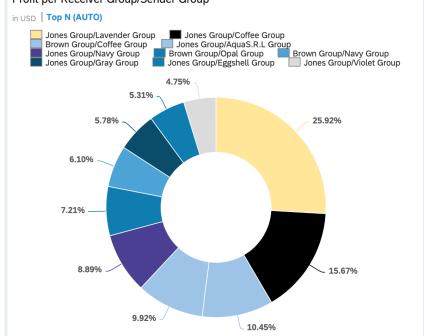


Show Inactive Values

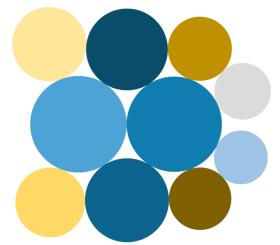
Country Analysis



Profit per Receiver Group/Sender Group



Profit per Receiver/Sender



Receiver Company and Country Details

in USD 🔞

	Account	Costs
Country_Receiver	Receiver	
Australia	Coffee e.U.	88,427.00
	Eggshell e.U.	36,778.00
	Fuchsia e.U.	37,031.00
	Lavender e.U.	49,290.00
	Lime e.U.	18,649.00
	Navy e.U.	68,044.00

Sender Company and Country Details

in USD 🔞

	Account	Costs	Revenue	Profi
Country_Sender	Sender			
France	Jones SARL	195,847.00	221,081.97	25,234.97
Germany	Jones AG.	834,325.00	913,123.14	78,798.14
	Williams AG.	138,878.00	147,752.90	8,874.90
Singapore	Brown S.A.	213,870.00	238,992.23	25,122.23



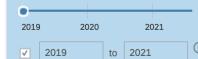
✓ All

✓ Apricot Group

✓ AquaS.R.L Group

Show Inactive Values

Date Range



Sender_Group

✓ All

✓ Brown Group

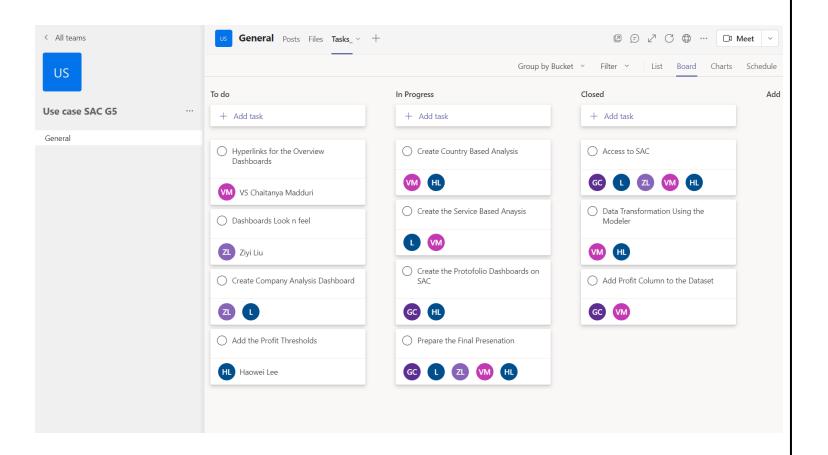
✓ Jones Group

✓ Williams Group

Show Inactive Values

Controlling Data in USD

		Account	Costs	Revenue	Profit
Country_Receiver	Country_Sender	Service Name			
Australia	Germany	HR	141,748.00	152,379.10	10,631.10
		Licences	91,494.00	96,068.70	4,574.70
	Singapore	Marketing	88,427.00	99,480.38	11,053.38
Canada	France	Marketing	111,911.00	126,653.97	14,742.97
	Germany	HR	212,429.00	229,021.25	16,592.25
		Licences	73,232.00	78,824.60	5,592.60
Costa Rica	France	Marketing	83,936.00	94,428.00	10,492.00
	Germany	HR	117,663.00	126,487.73	8,824.73
		Licences	83,784.00	98,027.28	14,243.28
	Singapore	Marketing	64,461.00	70,907.10	6,446.10
Japan	Germany	HR	91,465.00	99,453.25	7,988.25
		Licences	42,196.00	44,305.80	2,109.80
Turkey	Germany	HR	33,119.00	35,602.93	2,483.93



Team Management



6. Q&A

Thank You