Advanced Excel Project

Welcome to my Advanced MS Excel Project Portfolio. I am Ambili AN, a data enthusiast driven by the potential of raw data to tell compelling stories that inform decisions and provide deep insights across various sectors. This portfolio aims to showcase my projects that demonstrate my expertise in using advanced Excel functionalities, including data analysis, visualization, and interpretation tools.

Each project in this portfolio underscores my dedication to data visualization and analytics excellence. The projects featured are based on my real-world experiences at organizations like Emerge, Value Cars and Plumcot IT with adjustments made to respect non-disclosure agreements. Though the data and project titles have been modified to ensure confidentiality, the essence and integrity of the projects are preserved, offering a glimpse into my capabilities and achievements without compromising sensitive information.

As you delve into this document, you will discover detailed accounts of my projects, including the obstacles encountered, the strategies employed to overcome them, and the outcomes realized. My aim is not just to highlight my skillset in Excel but also to share my ongoing journey of learning and growth in the realm of data analytics.

Thank you for exploring my portfolio. I am keen to apply my skills and experiences towards contributing to data-driven endeavours. Should you have any inquiries or are interested in discussing potential collaborations,

Warmest regards,

Kind Regards

Ambili AN

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Project -1

Project Title: excel dashboard on the Super Store data

Super Store Dashboard

- ✓ This project consists of an excel dashboard on the Super Store data.
- ✓ Concepts like Excel functions, Pivot Tables, Excel charts, etc were used in this.
- ✓ Along with the dashboard, it presents some business insights in a report created on a separate worksheet.

Business Problem

✓ Find 3 Key Findings and 3 Key Solutions to increase the Sales in Super Store.

How to read the Excel file?

- ✓ The first tab of the excel file contains the dashboard which displays various charts and visuals.
- ✓ The second tab of the file has the report with key findings and suggestions.
- ✓ Rest of the tabs have additional information referred by the second tab.

The DASHBOARD - SuperStoreDashboard

The REPORT - Findings

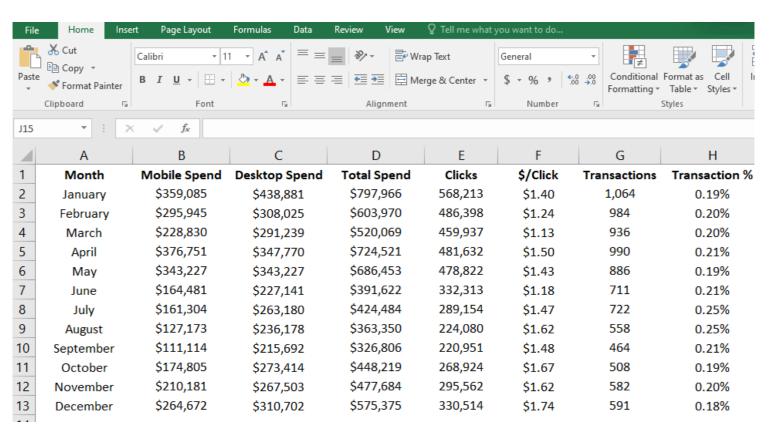
- ✓ Super Store is giving a lot of discounts on Binders, despite it already being one of their top selling products in all the customer segments across all regions.
- ✓ Super Store is spending too much of their discount budget on their stores in Central region.
- ✓ Stores especially in Southern region are comparatively lacking in discounts.
- ✓ Only one product was sold in 50.65% of the total orders.
- ✓ Delivery duration in Central region is comparatively slow. Average delivery in Central region takes 0.21 days more for Home Office consumers than overall delivery duration average for the same.

Suggestions

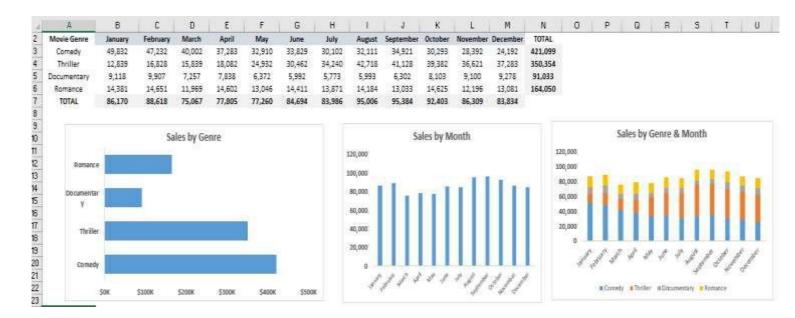
- ✓ Discounts should be reduced from Binders (Sub-category) or Office supplies (Category) in general, as they have decent enough sales.
- ✓ Discount budget should be disbursed to the stores in Southern region for sales spree to attract customer attention.
- ✓ In case of their online stores, investment shall be made on machine learning techniques so that people buying only one product from a category shall be recommended with other related products from that same category.
- ✓ In case of offline stores, Super Store shall invest in Planograms (Product Display).
- ✓ More information about how planograms leading to improved sales can be found in the referred link.
- ✓ Delivery duration should be reduced in the stores in Central region by introducing ship mode upgrades wherever it's possible.
- ✓ Decreased delivery duration may lead to increase in sales.

Screenshots of the Project 1

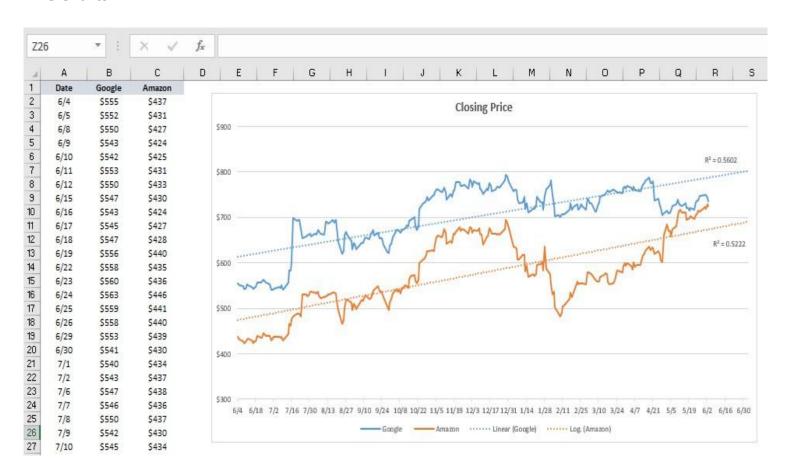
Customising Chart



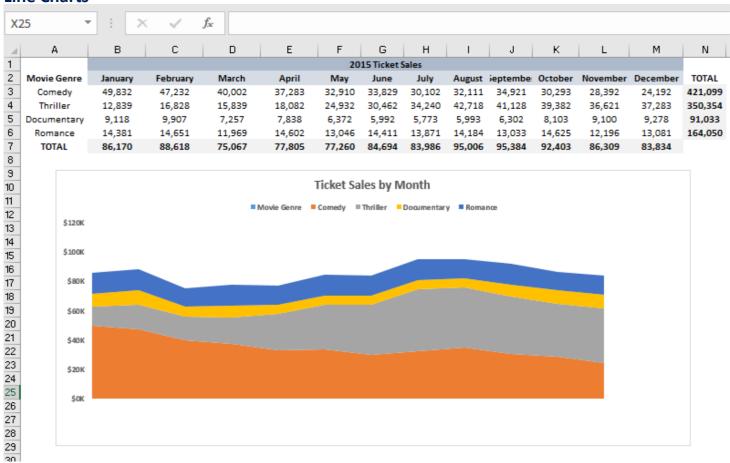
Bar & Column Charts



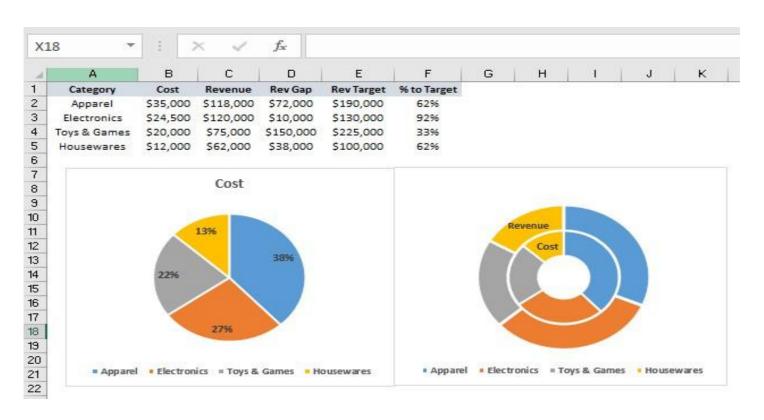
Line Charts



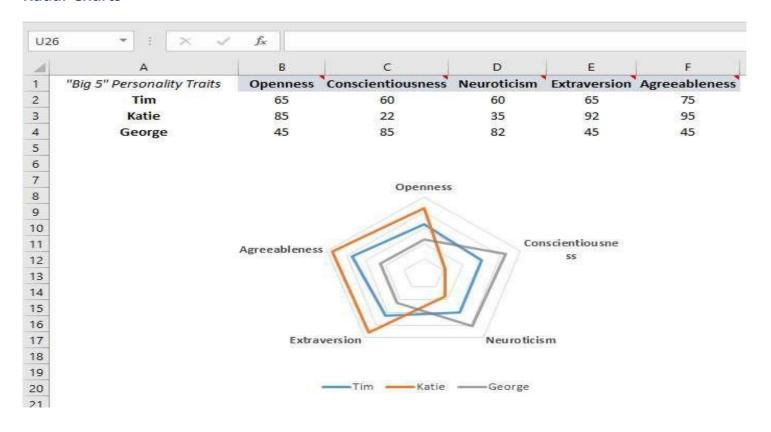
Line Charts



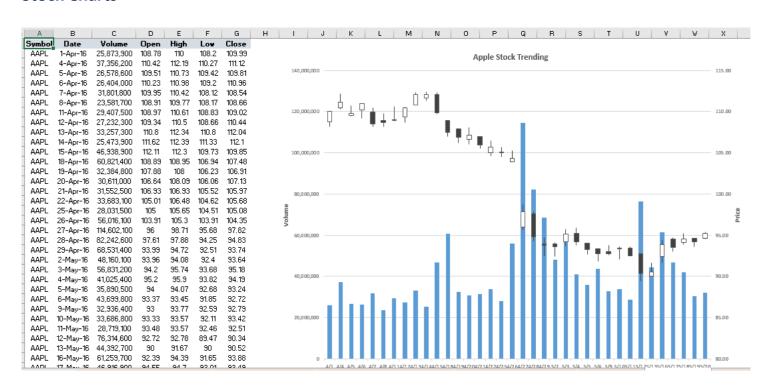
Pie & Donut Charts



Radar Charts



Stock Charts

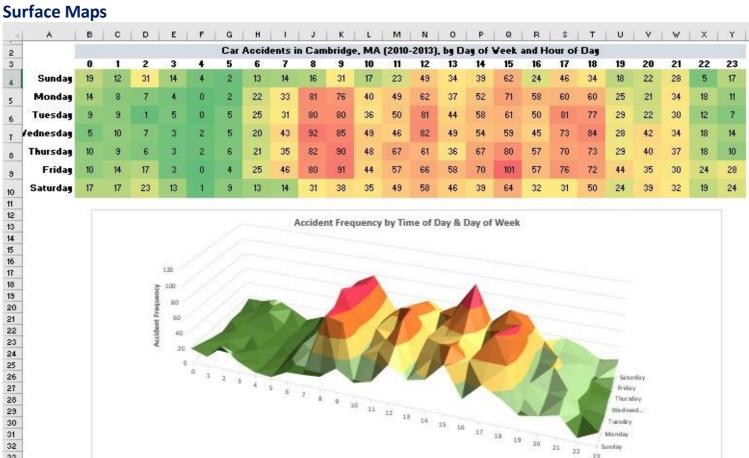


Heat Map Charts

33

35

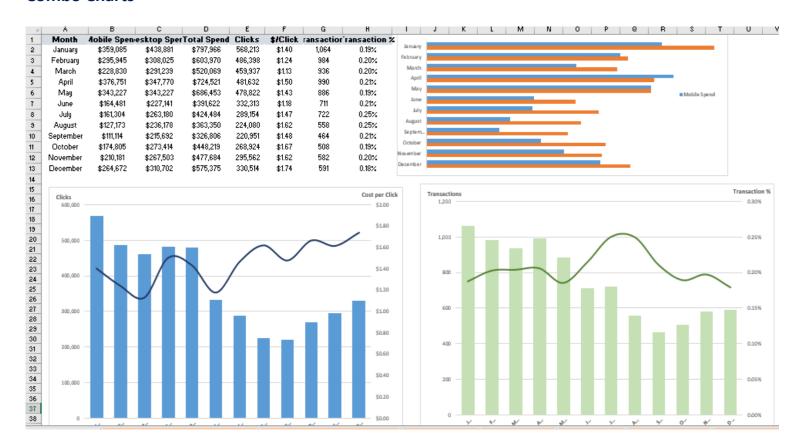
T16	▼ : >	< 4	fx										
_ A	В	С	D	Е	F	G	Н	1	J	K	L	М	N
1													
2		Average High Temperature (F)											
3		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
4	Anchorage												
5	Boston												
6	Chicago												
7	New York City												
8	Denver												
9	Dallas												
10	Phoenix												
11	Miami												
12	Sydney												
13	Auckland												
4													



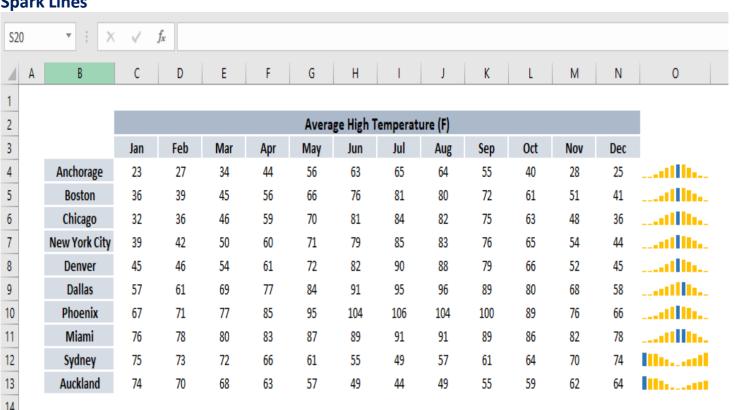
Hour of Day

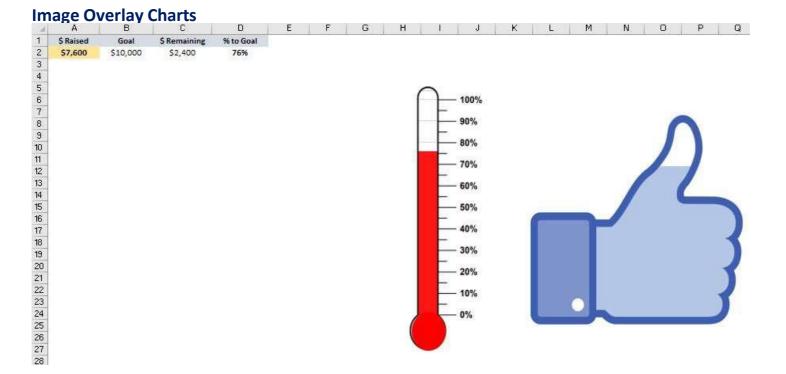
■ 0-20 ■ 20-40 ■ 40-60 ■ 60-80 ■ 80-100 ■ 100-120

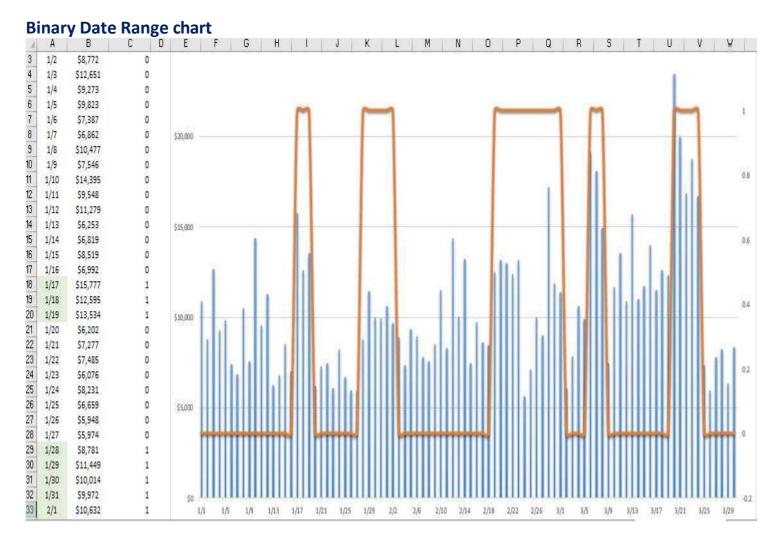
Combo Charts



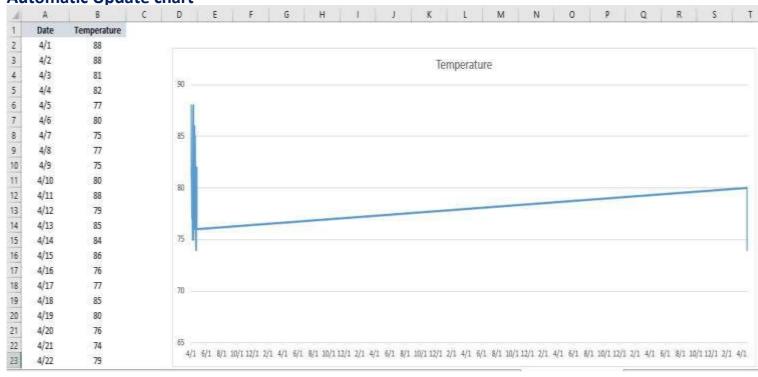
Spark Lines



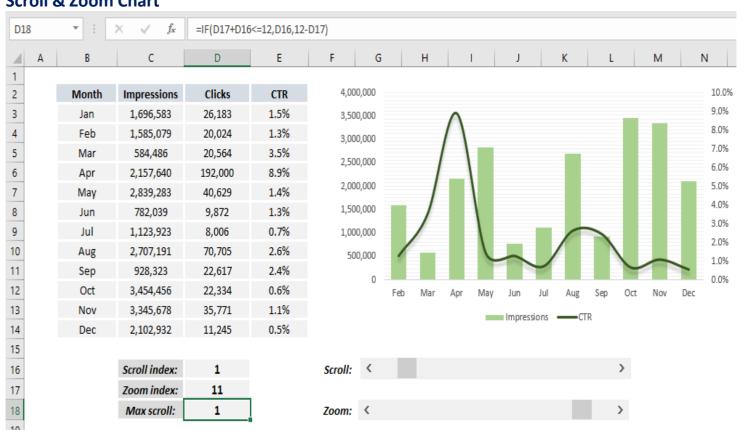




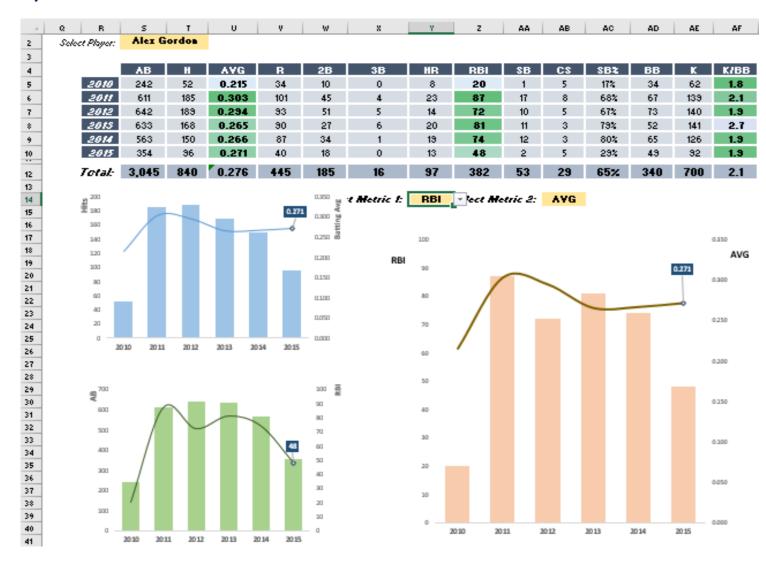
Automatic Update chart



Scroll & Zoom Chart



Dynamic Dash Board

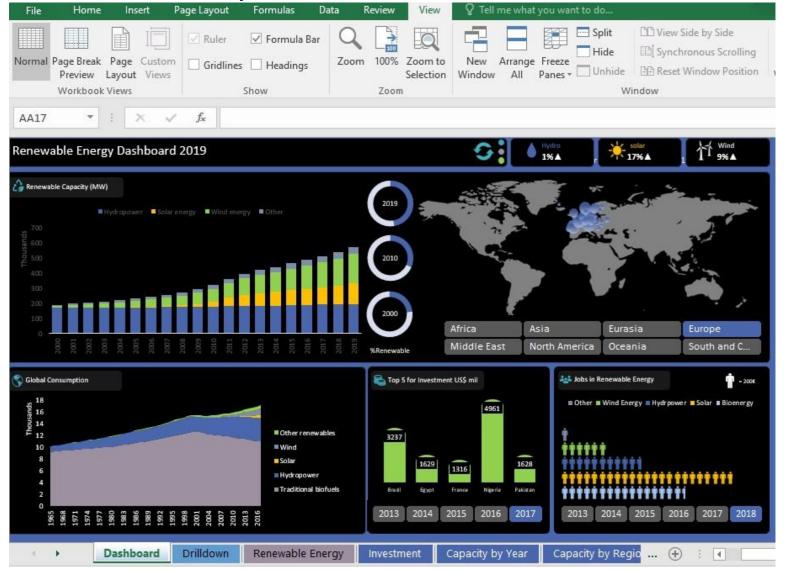


Project-2: Renewable Energy Dashboard

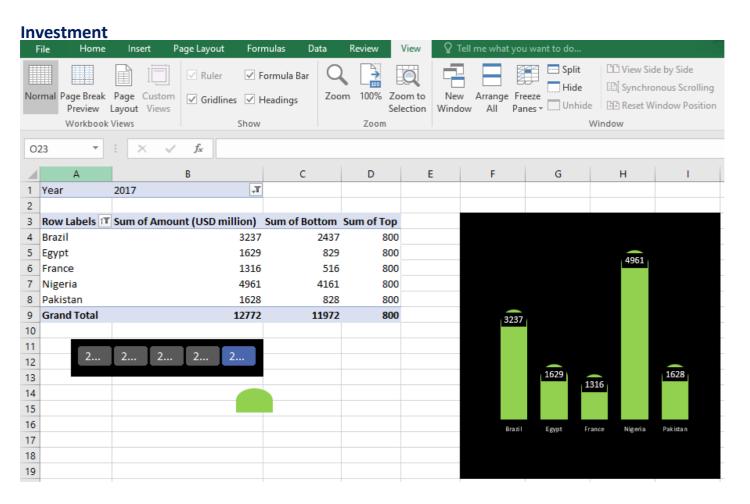
Dashboard

- ✓ his Dashboard contain visualization about...
- ✓ Renewable capacity(MW) by different Region
- ✓ Global Consumption of Renewable Energy
- ✓ Top 5 Country for investment in different year
- ✓ Jobs in Renewable Energy in different year
- ✓ % of Renewable and noon-renewable energy
- ✓ Capacity Trends by Top 5 Country in Region
- ✓ Energy generation of Renewable & Non-Renewable Energy Region-wise.

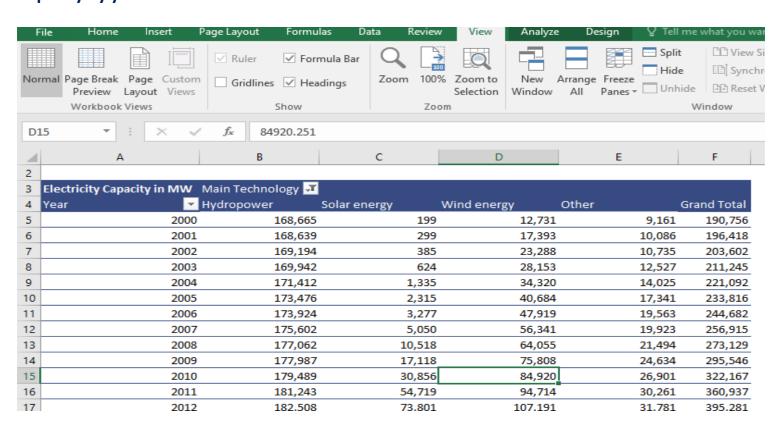
Screenshots of Project - 2







Capacity by years



Capacity by Region Split ✓ Ruler ✓ Formula Bar Hide Normal Page Break Custom Zoom 100% Zoom to New Freeze Arrange ✓ Gridlines ✓ Headings Unhide Preview Layout Views Selection Window AII Panes * Workbook Views Zoom C3 f_{∞} В 1 Region Ţ Furone 2 T RE or Non-RE Renewable 3 4 **Row Labels** ▼ Sum of Electricity Capacity (MW) Country Capacity MW 5 Albania 32,795 Albania 32795.4 6 Andorra 867 Andorra 866.616 Austria 321,832 Austria 321832.183 8 Belarus 2,576 2575,628 Belarus Belgium 69,745 Belgium 69744.51 10 Bosnia and Herzegovina 33,004 Bosnia and Herze 33004.373 11 Bulgaria 56,904 Bulgaria 56903.521 12 Croatia 47,127 Croatia 47127.305 2225,388 13 Cyprus 2.225 Cyprus 14 Czechia 53,510 Czechia 53510.231 15 Denmark 106,002 Denmark 106002.028 16 Estonia 5,721 Estonia 5721.42

859

112,255

677,161

114,011

14,588

43,327

1,209,021

Faroe Islands

Finland

France

Greece

Hungary

Iceland

Germany

859.34

112254.714

677161.322

1209020.6

14588.132

43326.531

114010.8

Capacity by Region with Latitude and Longitude

17

18

19

21

Faroe Islands

Finland

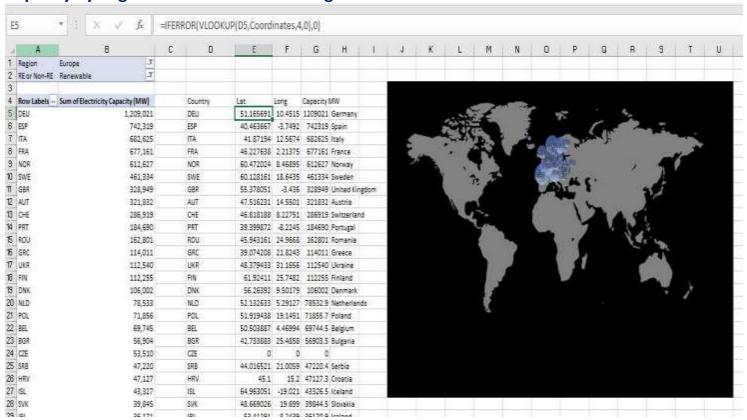
France

Greece

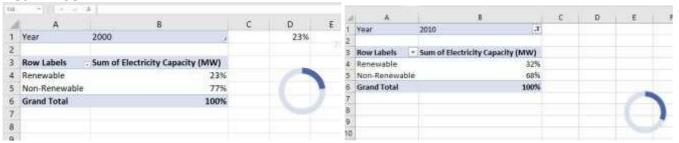
20 Germany

22 Hungary

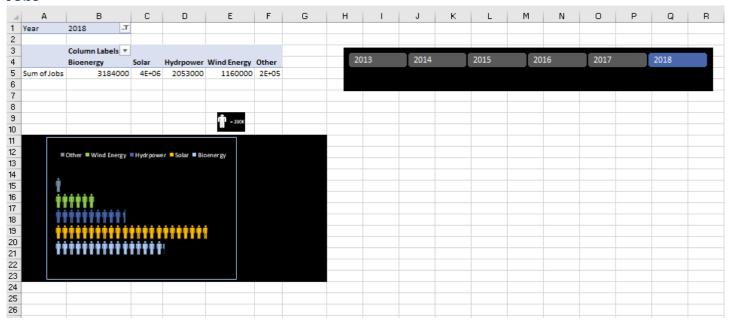
23 Iceland



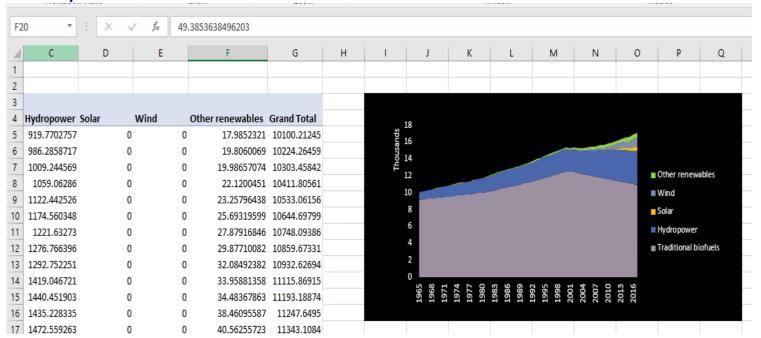
Year Wise



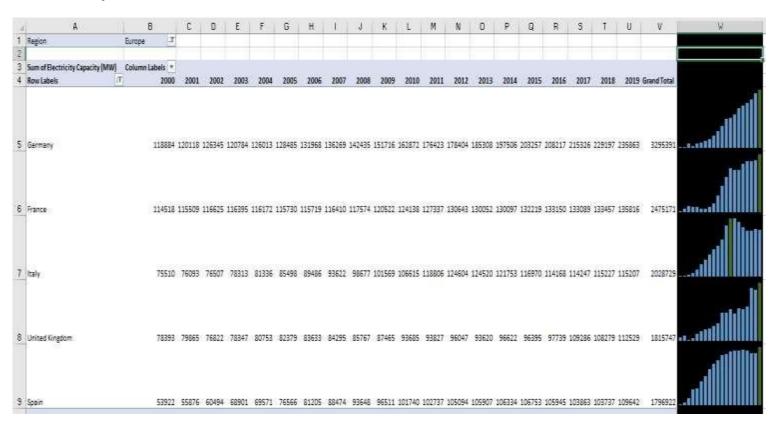
Jobs



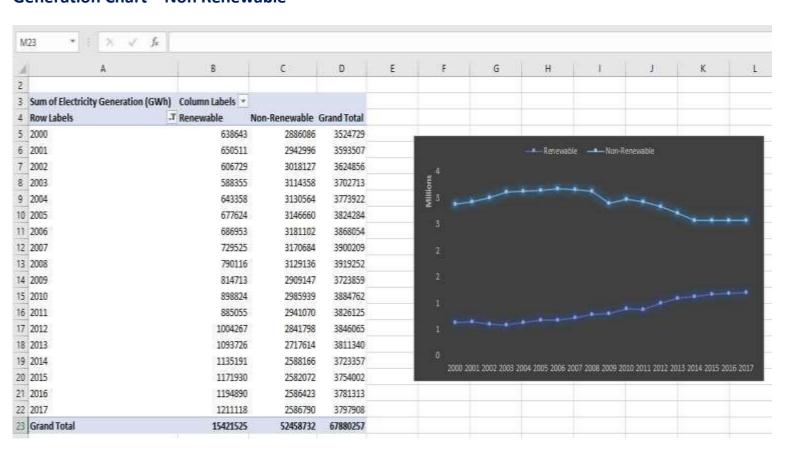
Consumption



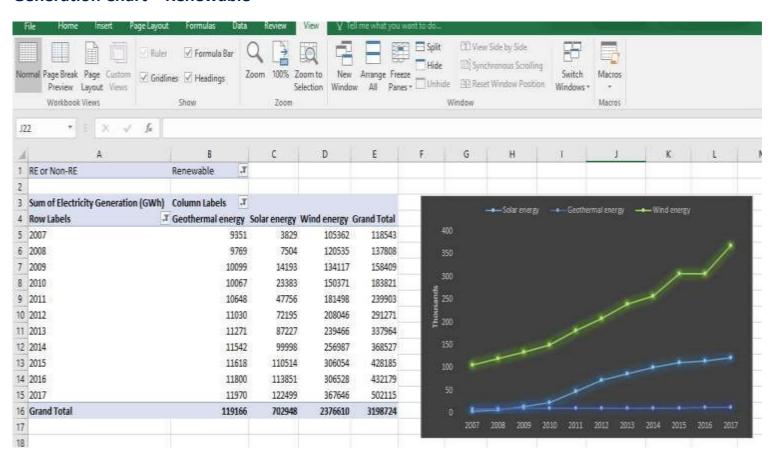
Small Multiples



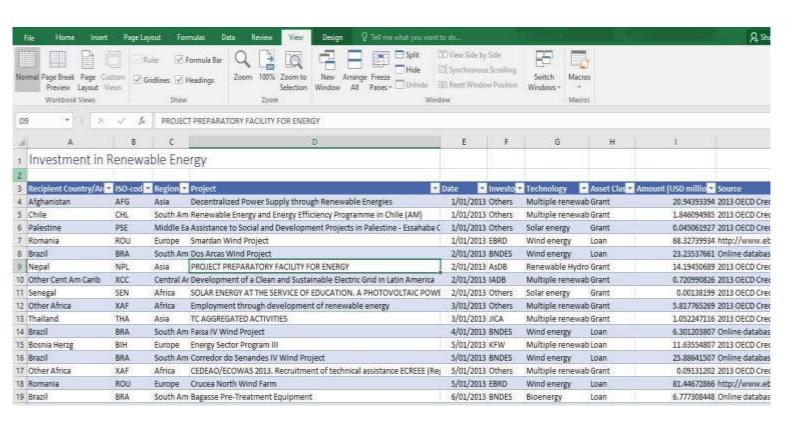
Generation Chart - Non Renewable



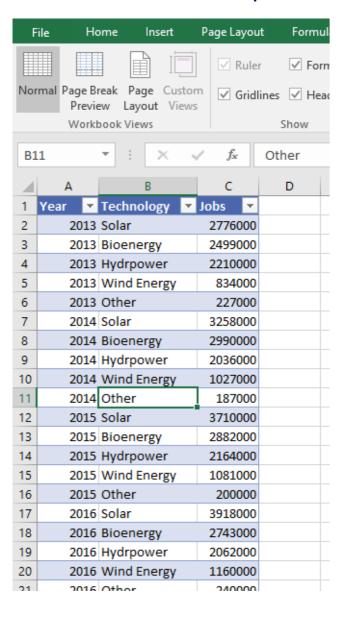
Generation Chart - Renewable



Renewable Data



Jobs Data and World Consumption



4	Α	В	С	D	E	
1	Region 🕶	Year 💌	Type 🔻	Value 🔽	Date 🔻	
2	World	1965	Traditiona	9162.457	1/01/1965	
3	World	1965	Hydropow	919.7703	1/01/1965	
4	World	1965	Solar	0	1/01/1965	
5	World	1965	Wind	0	1/01/1965	
6	World	1965	Other ren	17.98523	1/01/1965	
7	World	1966	Traditiona	9218.173	1/01/1966	
8	World	1966	Hydropow	986.2859	1/01/1966	
9	World	1966	Solar	0	1/01/1966	
10	World	1966	Wind	0	1/01/1966	
11	World	1966	Other ren	19.80601	1/01/1966	
12	World	1967	Traditiona	9274.227	1/01/1967	
13	World	1967	Hydropow	1009.245	1/01/1967	
14	World	1967	Solar	0	1/01/1967	
15	World	1967	Wind	0	1/01/1967	
16	World	1967	Other ren	19.98657	1/01/1967	
17	World	1968	Traditiona	9330.623	1/01/1968	
18	World	1968	Hydropow	1059.063	1/01/1968	
19	World	1968	Solar	0	1/01/1968	
20	World	1968	Wind	0	1/01/1968	
21	World	1968	Other ren	22.12005	1/01/1968	