

FINAL PRESENT

THE IMPACT OF COVID



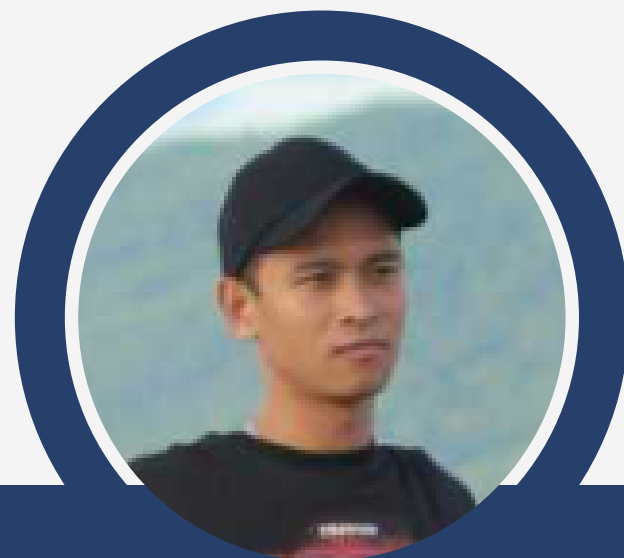
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OUTLINE

- Introduce data
- Workflow on Azure
- ETL data on Azure Databricks
- Power BI

DATA

Main purpose

Analyze the effects of covid to the fields of sales and import and export

Sales

Describe sales revenue
of countries around the
world in 2 forms online
and offline
2016 - 2021

Covid 19

Description of the
population, number of
infections, number of
deaths due to covid of
countries in the world
5/2020 - 3/2022

Imports and Export

Describe the export and
import turnover of
countries in the world
over the years 1995-
2005-2010-2015-2018-
2019-2020

COVID 19

Columns :8

Rows : 232232

index	continent	country	population	day	time	cases_total	deaths_total
0	Asia	Afghanistan	40418964	2022-03-17	2022-03-17T20:15:03+00:00	176918	7651
1	Asia	Afghanistan	40416563	2022-03-17	2022-03-17T08:00:04+00:00	176743	7651
2	Asia	Afghanistan	40414161	2022-03-16	2022-03-16T08:00:04+00:00	176571	7646
3	Asia	Afghanistan	40411760	2022-03-15	2022-03-15T09:15:03+00:00	176409	7645
4	Asia	Afghanistan	40409359	2022-03-14	2022-03-14T09:15:03+00:00	176201	7643
5	Asia	Afghanistan	40409359	2022-03-13	2022-03-13T11:00:04+00:00	176039	7641
6	Asia	Afghanistan	40406958	2022-03-13	2022-03-13T00:00:03+00:00	176039	7641
7	Asia	Afghanistan	40404557	2022-03-12	2022-03-12T10:30:03+00:00	175974	7640
8	Asia	Afghanistan	40404557	2022-03-11	2022-03-11T13:45:04+00:00	175893	7639
9	Asia	Afghanistan	40402155	2022-03-11	2022-03-11T00:00:03+00:00	175893	7639
10	Asia	Afghanistan	40402155	2022-03-10	2022-03-10T23:30:03+00:00	175525	7636
11	Asia	Afghanistan	40399754	2022-03-10	2022-03-10T00:00:03+00:00	175525	7636
12	Asia	Afghanistan	40399754	2022-03-09	2022-03-09T08:15:03+00:00	175353	7630
13	Asia	Afghanistan	40397353	2022-03-09	2022-03-09T00:00:03+00:00	175353	7630
14	Asia	Afghanistan	40394952	2022-03-08	2022-03-08T08:30:04+00:00	175000	7626

SALES

Columns : 11

Rows : 10000

Region	Country	Item Type	Sales Channel	Order Date	Ship Date	Units Sold	Unit Price	Total Revenue	Total Cost	Total Profit
Sub-Saharan Africa	Cameroon	Cereal	Offline	1/1/2016	2/18/2016	6245	205.7	1284596.5	731351.95	553244.55
Central America and the Caribbean	Barbados	Vegetables	Offline	1/1/2016	1/3/2016	4322	154.06	665847.32	392999.46	272847.86
Asia	Myanmar	Meat	Online	1/2/2016	1/16/2016	4182	421.89	1764343.98	1525133.58	239210.4
Europe	Slovakia	Cereal	Offline	1/2/2016	1/10/2016	4038	205.7	830616.6	472890.18	357726.42
Europe	Lithuania	Clothes	Offline	1/2/2016	1/16/2016	3753	109.28	410127.84	134507.52	275620.32
Middle East and North Africa	Syria	Baby Food	Online	1/3/2016	1/27/2016	2834	255.28	723463.52	451796.28	271667.24
Europe	Germany	Meat	Online	1/3/2016	1/25/2016	9835	421.89	4149288.15	3586726.15	562562
Australia and Oceania	Fiji	Beverages	Online	1/3/2016	2/20/2016	1695	47.45	80427.75	53884.05	26543.7
Australia and Oceania	Nauru	Office Supplies	Offline	1/3/2016	2/15/2016	3479	651.21	2265559.59	1826335.84	439223.75
Sub-Saharan Africa	Djibouti	Snacks	Offline	1/3/2016	1/10/2016	7545	152.58	1151216.1	735184.8	416031.3
Europe	Ireland	Household	Offline	1/5/2016	2/11/2016	9352	668.27	6249661.04	4699754.08	1549906.96
Asia	Mongolia	Meat	Online	1/5/2016	1/26/2016	3495	421.89	1474505.55	1274591.55	199914
Sub-Saharan Africa	Cote d'Ivoire	Personal Care	Online	1/5/2016	1/11/2016	9138	81.73	746848.74	517850.46	228998.28

IMPORT AND EXPORT

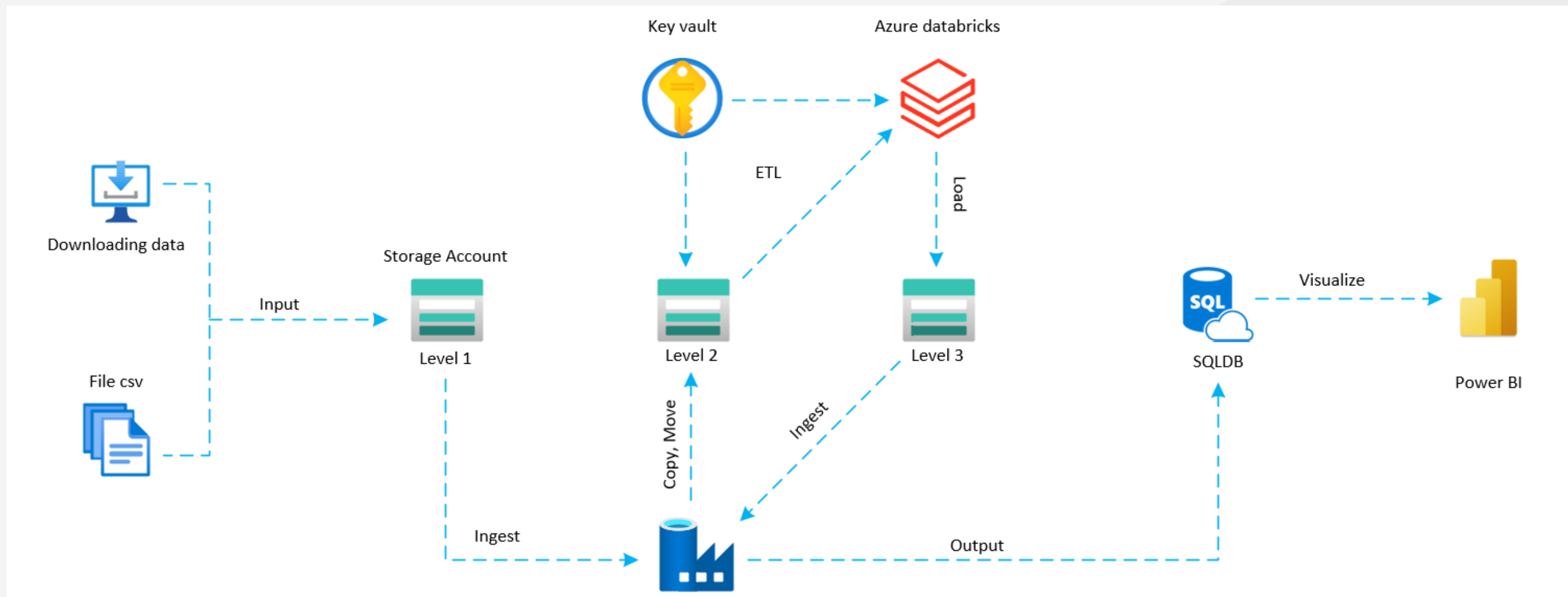
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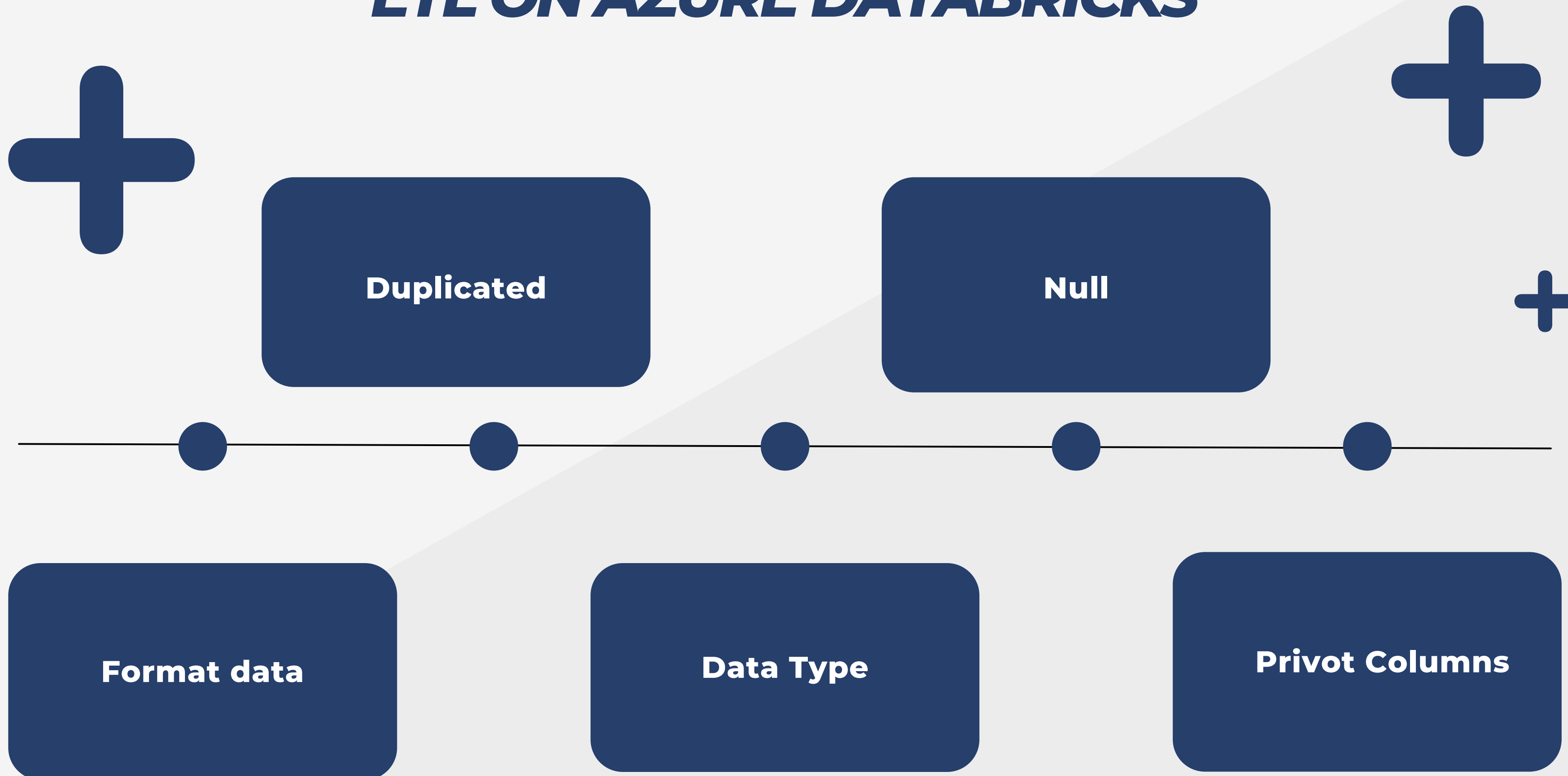
STT	Country	Year	Series	Value
31	Africa	2010	Exports FOB (millions of US dollars)	496594
32	Africa	2015	Exports FOB (millions of US dollars)	402988
33	Africa	2018	Exports FOB (millions of US dollars)	504828
34	Africa	2019	Exports FOB (millions of US dollars)	491767
35	Africa	2020	Exports FOB (millions of US dollars)	567007
36	Africa	1995	Balance imports/exports (millions of US dollars)	-10892
37	Africa	2005	Balance imports/exports (millions of US dollars)	60428
38	Africa	2010	Balance imports/exports (millions of US dollars)	28159
39	Africa	2015	Balance imports/exports (millions of US dollars)	-144542
40	Africa	2018	Balance imports/exports (millions of US dollars)	-70932
41	Africa	2019	Balance imports/exports (millions of US dollars)	-91321
42	Africa	2020	Balance imports/exports (millions of US dollars)	-34393



WORKFLOW

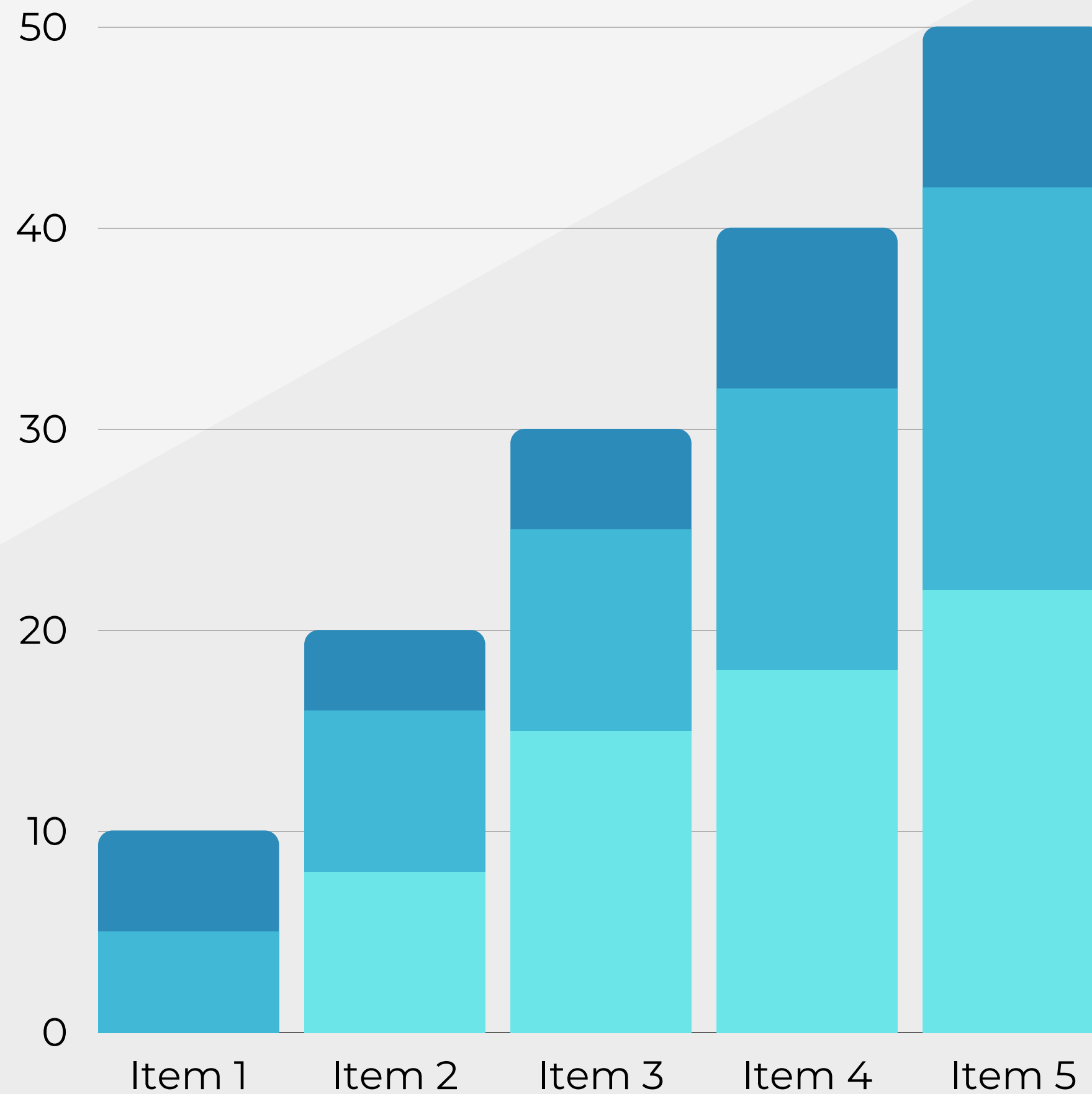


ETL ON AZURE DATABRICKS





POWER BI





THANK YOU

For your attention!

