Introduction to Data Management PROJECT REPORT

(Project Semester August-December 2020)

PROJECT REPORT

ON

Shoes in India

Submitted by

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11916187

Programme: Bachelor of Technology

Section: KM008

Course Code: INT217

Under the Guidance of

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DECLARATION

I, Ravi Shankar Mahto, student of Computer Science & Engineering under CSE/IT Discipline at, Lovely Professional University, Punjab, hereby declare that all the information furnished in this project report is based on my own intensive work and is genuine.

Date: 17/12/2021

Ravi Shankar Mahto

Registration No: 11916187

ACKNOWLEDGEMENT

Primarily I'd thank god for being able to complete my project with success. Then I'd like to thank my mentor **Ms. Komal Arora**, whose valuable guidance has been the ones that helped me patch this project and make it full proof success in contribution towards the completion of this project.

Last but not least I'd rather thanks to **Lovely Professional University,** and my parent's inspiration, who gave me this golden opportunity to learn many new things, to learn another aspects of life.

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INTRODUCTION

- Data management is important because the data your organization creates is a very valuable resource.
- The last thing you want to do is spend time and resources collecting data and business intelligence, only to lose or misplace that information.
- In that case, you would then have to spend time and resources again to get that same business intelligence you already had.
- And on that data analysis is carried out which show visualization of our problems in efficient way.
- Data Analysis is a process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, informing conclusions, and supporting decision- making.
- This project is based on such data analysis on Shoes in India and sales in every city of each brand

OBJECTIVES/SCOPE OF ANALYSIS

After analysis of the dataset, the aim of this project is to give answer of given objectives in easy way:

- Top 10 State wise sales Report
- Top 5 city wise sales report
- Region wise sales of each brand
- Total quantity sales of each brand
- Top 5 month sales of shoes

SOURCE OF DATASET:

Source of dataset: https://www.kaggle.com/princemuz/nike-and-adidas-

The columns included in the dataset are given below:

- Fiscal
- Year
- Brand
- Week
- Month
- Region
- State
- City
- Customer Name
- Qty- quantity

Sample of dataset with data fields is given below:

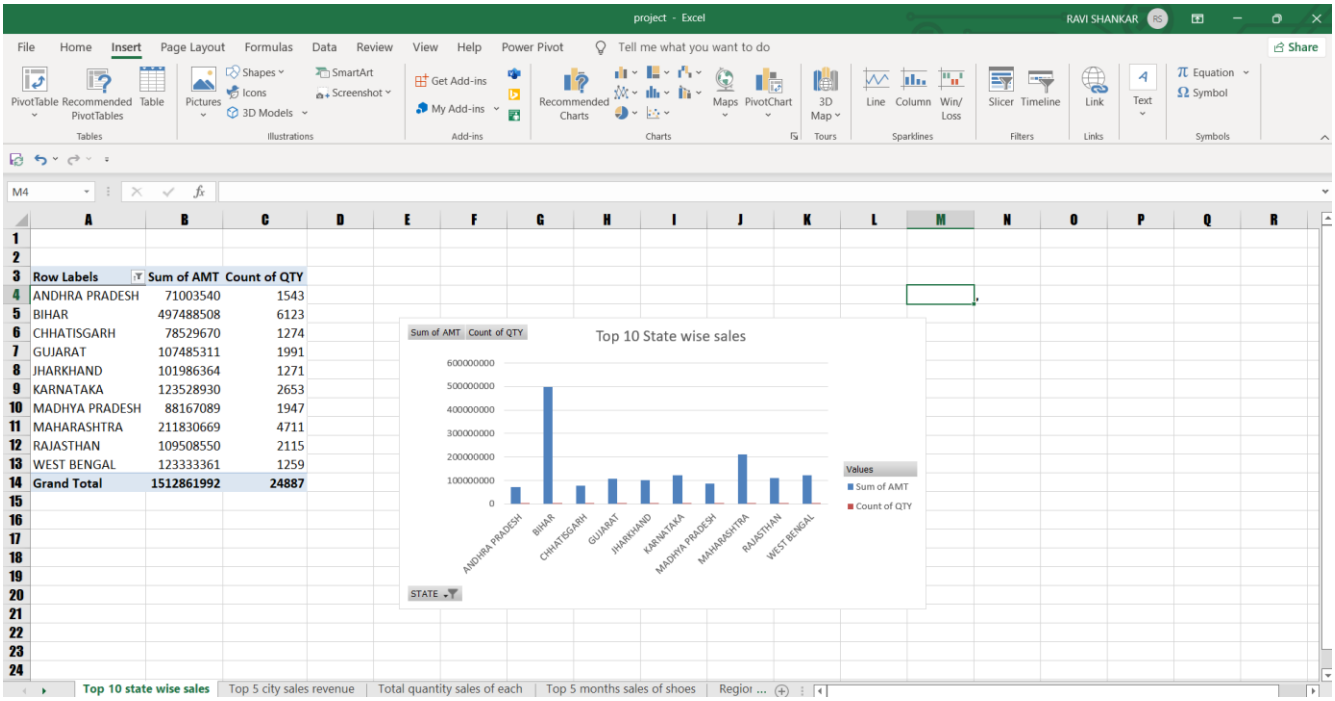
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Fiscal	YEAR	BRAND	WEEK	MONTH	Region	STATE	CITY	CUSTOMER NAME	QTY	AMT				
2	FY12	11-12	NIKE	1	Apr	South	ANDHRA PRADESH	VIJAYWADA	PRASANTHI TEXTILE	72	54,720				
3	FY12	11-12	NIKE	1	Apr		ASSAM	DHUBRI	INDIAN CLOTH HOUSE	120	80,320				
4	FY12	11-12	NIKE	1	Apr	East	BIHAR	PATNA JUNCTION	MUNGIPA TEXTILE	379	2,17,685				
5	FY12	11-12	NIKE	1	Apr	East	BIHAR	PATNA JUNCTION	S.D.S.T	213	1,19,055				
6	FY12	11-12	NIKE	1	Apr	East	BIHAR	MUJAFARPUR	ROOP SAREE KENDRA	72	54,720				
7	FY12	11-12	NIKE	1	Apr	East	BIHAR	MUJAFARPUR	SAKET SYNTHETICS	213	1,19,055				
8	FY12	11-12	NIKE	1	Apr	East	BIHAR	DARBHANGA	BHASANTLAL VISHWNATH	68	36,275				
9	FY12	11-12	NIKE	1	Apr	Central	CHHATISGARH	RAIPUR	S.K.FASHION	319	1,76,870				
10	FY12	11-12	NIKE	1	Apr	East	JHARKHAND	RANCHI	M.R. SUIT EMPORIUM	144	1,09,440				
11	FY12	11-12	NIKE	1	Apr	East	JHARKHAND	RANCHI	NARAYANDAS	67	37,705				
12	FY12	11-12	NIKE	1	Apr	Central	MADHYA PRADESH	INDORE	MANOHAR TEXTILES	119	79,625				
13	FY12	11-12	NIKE	1	Apr	West	MAHARASHTRA	AMRAWATI	LUCKY TEXTILE	126	71,010				
14	FY12	11-12	NIKE	1	Apr		Not Available	AMRITSAR	SHIVA SUITS	280	1,56,875				
15	FY12	11-12	NIKE	1	Apr	West	RAJASTHAN	SRIGANGANAGAR	PRAVEEN CREATION HUF	81	45,985				
16	FY12	11-12	NIKE	1	Apr	West	RAJASTHAN	JAIPUR	ISHWARDAS NARESHKUMAR	128	67,760				
17	FY12	11-12	NIKE	1	Apr	West	RAJASTHAN	HINDON CITY	RADHEYSHYAM SANTOSHKUMAR	96	56,520				
18	FY12	11-12	NIKE	1	Apr	East	WEST BENGAL	KOLKATA	F.M.TEXTILES	144	1,09,440				
19	FY12	11-12	NIKE	1	Apr	East	WEST BENGAL	ASANSOL-1	MANGALDEEP	67	37,705				
20	FY12	11-12	PUMA	1	Apr	East	Bihar	MUJAFARPUR	SAKET SYNTHETICS	116	44,540				
21	FY12	11-12	PUMA	1	Apr	East	BIHAR	DARBHANGA	BHASANTLAL VISHWNATH	64	26,480				

ETL

- **ETL** is a process that extracts the data from different source systems, then transforms the data (like applying calculations, concatenations, etc.) and finally loads the data into the Data Warehouse system.
- Full form of ETL is Extract, Transform and Load.
- The triple combination of ETL provides crucial functions that are many times combined into a single application or suite of tools that help in the following areas:
    - Enhances Business Intelligence solutions for decision making.
    - Allows verification of data transformation, aggregation and calculations rules.
    - Allows sample data comparison between source and target system.
    - Helps to improve productivity as it codifies and reuses without additional technical skills.

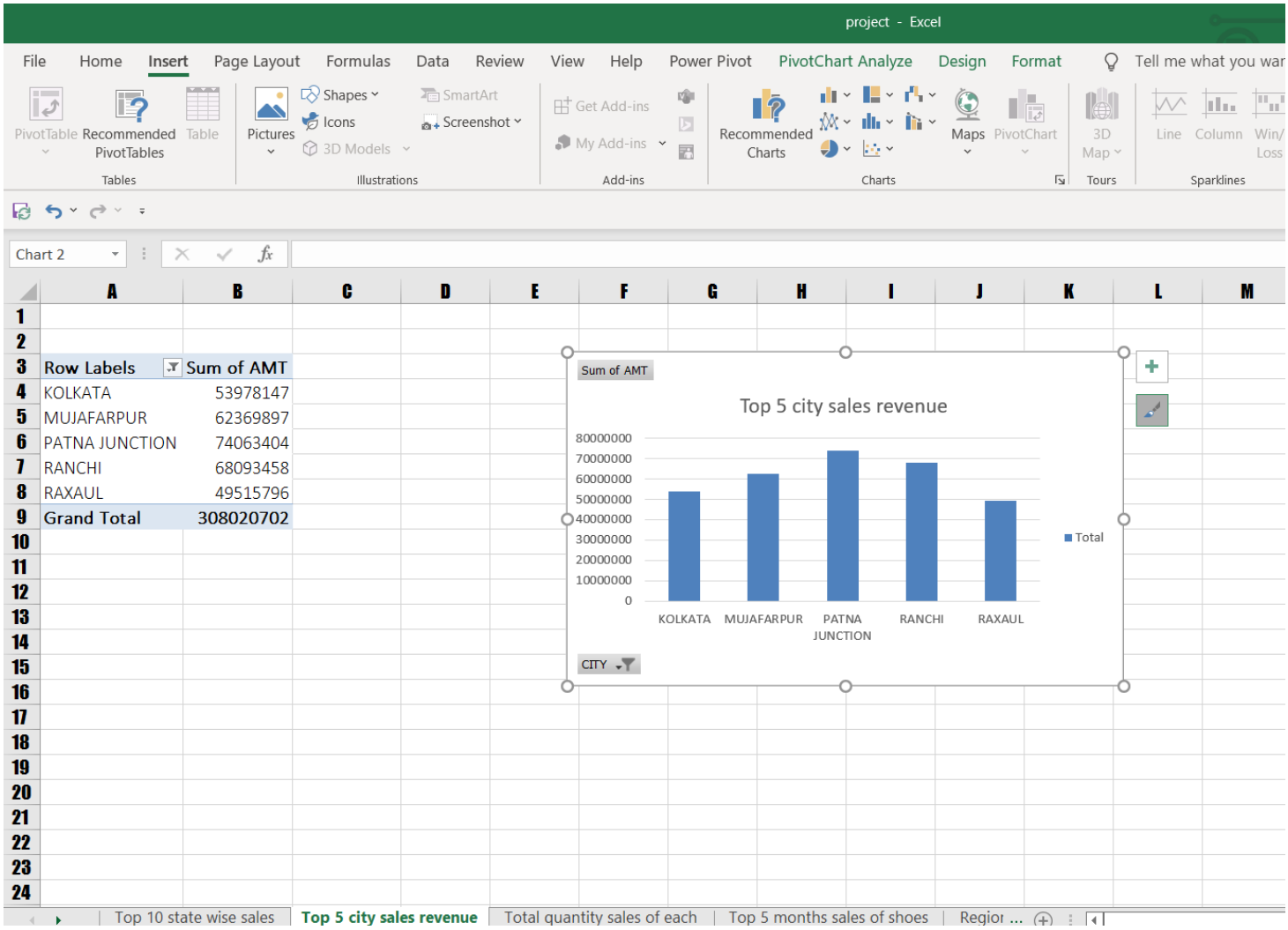
Analysis of the dataset

Top 10 state wise sales report

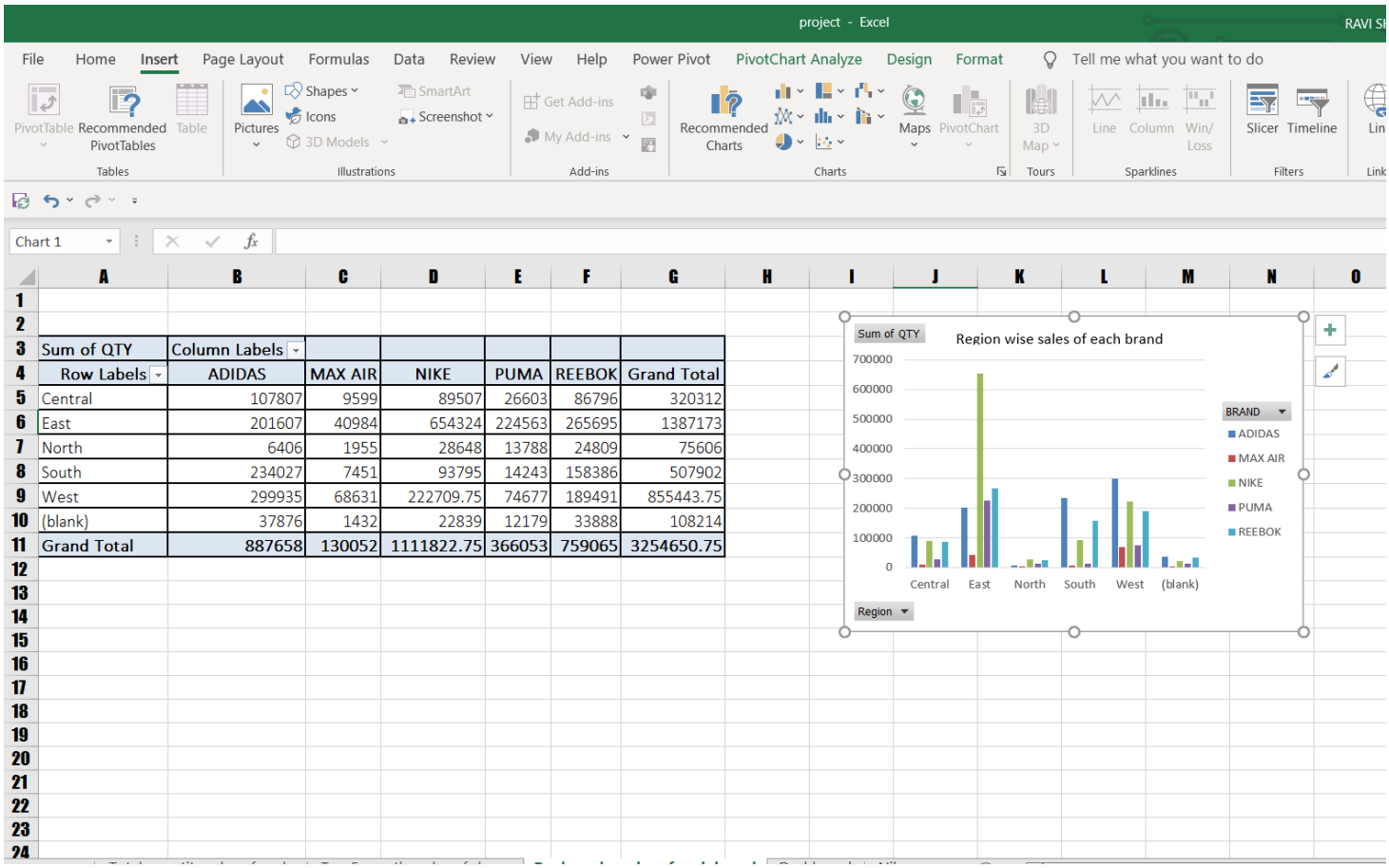


Row Labels	Sum of AMT	Count of QTY
ANDHRA PRADESH	71003540	1543
BIHAR	497488508	6123
CHHATISGARH	78529670	1274
GUJARAT	107485311	1991
JHARKHAND	101986364	1271
KARNATAKA	123528930	2653
MADHYA PRADESH	88167089	1947
MAHARASHTRA	211830669	4711
RAJASTHAN	109508550	2115
WEST BENGAL	123333361	1259
Grand Total	**1512861992**	**24887**

Top 5 city sales revenue

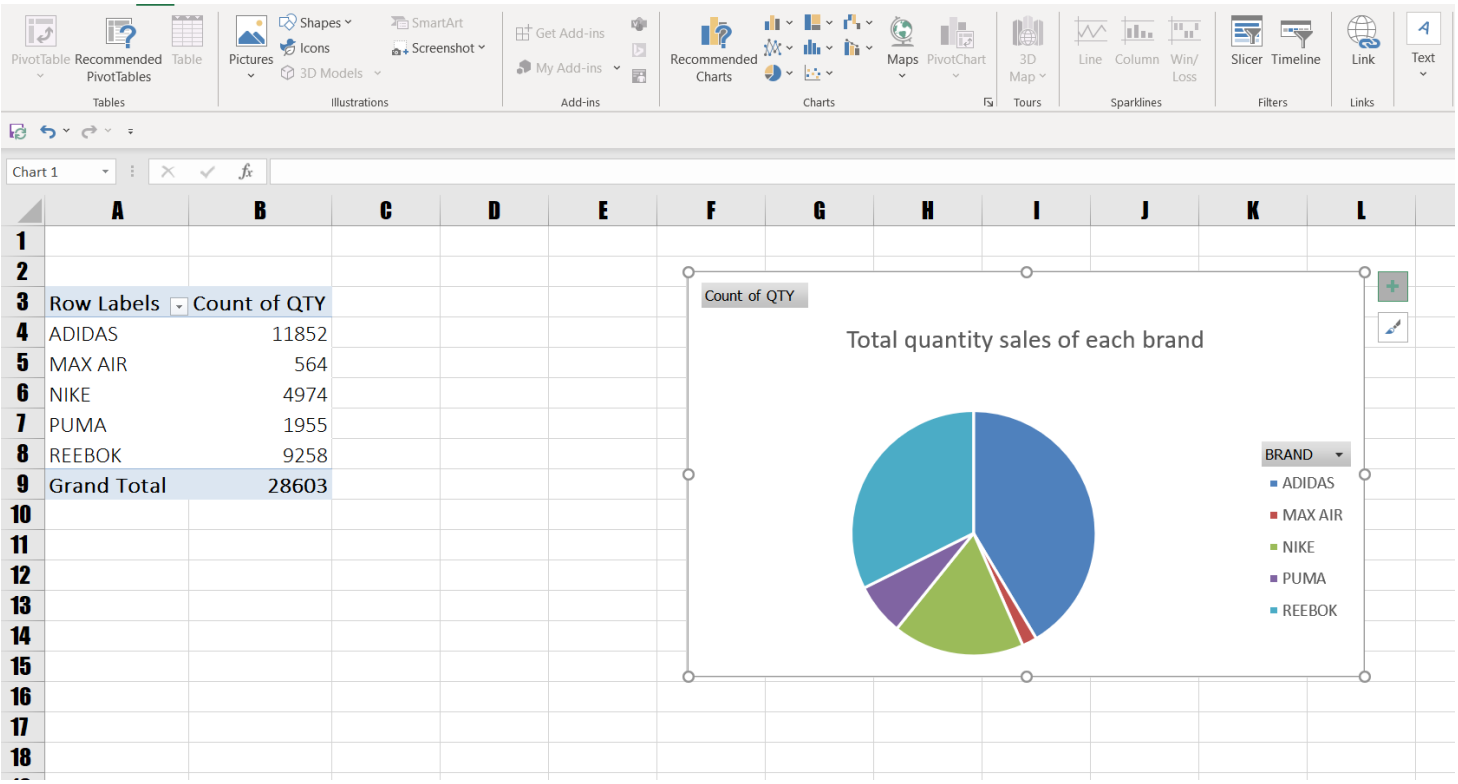


Region wise sales of each brand



Sum of QTY	Column Labels					
Row Labels	ADIDAS	MAX AIR	NIKE	PUMA	REEBOK	Grand Total
Central	107807	9599	89507	26603	86796	320312
East	201607	40984	654324	224563	265695	1387173
North	6406	1955	28648	13788	24809	75606
South	234027	7451	93795	14243	158386	507902
West	299935	68631	222709.75	74677	189491	855443.75
(blank)	37876	1432	22839	12179	33888	108214
Grand Total	887658	130052	1111822.75	366053	759065	3254650.75

Total quantity sales of each brand



Top 5 month sales of shoes

Photos - Screenshot (79).png

See all photos Add to Edit & Crea

project - Excel RAVI SHANKAR

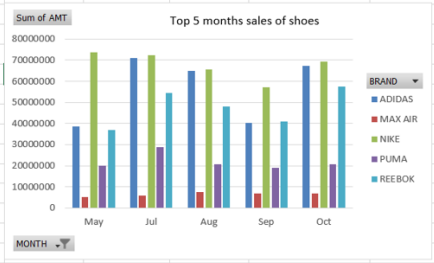
File Home Insert Page Layout Formulas Data Review View Help Power Pivot Tell me what you want to do

PivotTable Recommended PivotTables Table | Pictures Shapes Icons 3D Models SmartArt Screenshot | Get Add-ins My Add-ins | Recommended Charts Maps PivotChart | 3D Map | Line Column Win/Loss | Slicer Timeline | Link | Text | Equation Symbol

Tables Illustrations Add-ins Charts Tours Sparklines Filters Links Symbols

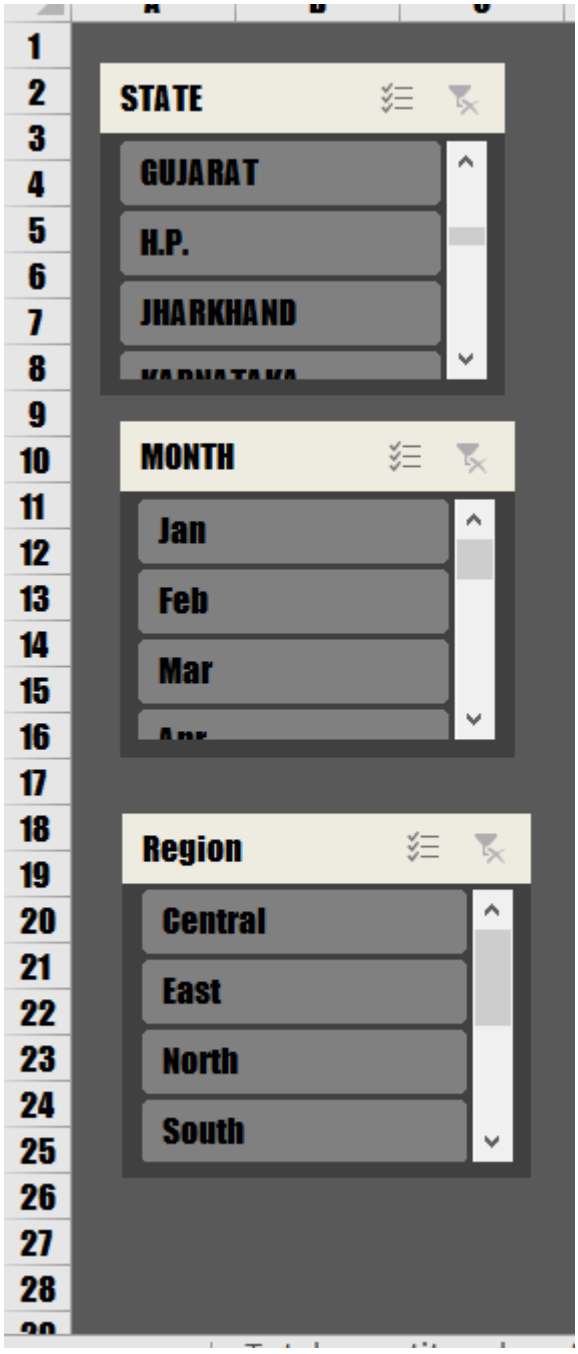
I6

Sum of AMT	Column Labels					
Row Labels	ADIDAS	MAX AIR	NIKE	PUMA	REEBOK	Grand Total
May	38559450	5057954	73642431	19939828	36764512	173964175
Jul	70905585	5709680	72191553	28862306	54614070	232283194
Aug	64866585	7651343	65652369	20800191	48075825	207046313
Sep	40432790	6814251	57127396	19028488	40968400	164371325
Oct	67309151	6923489	69280629	20700429	57634660	221848358
Grand Total	282073561	32156717	337894378	109331242	238057467	999513365



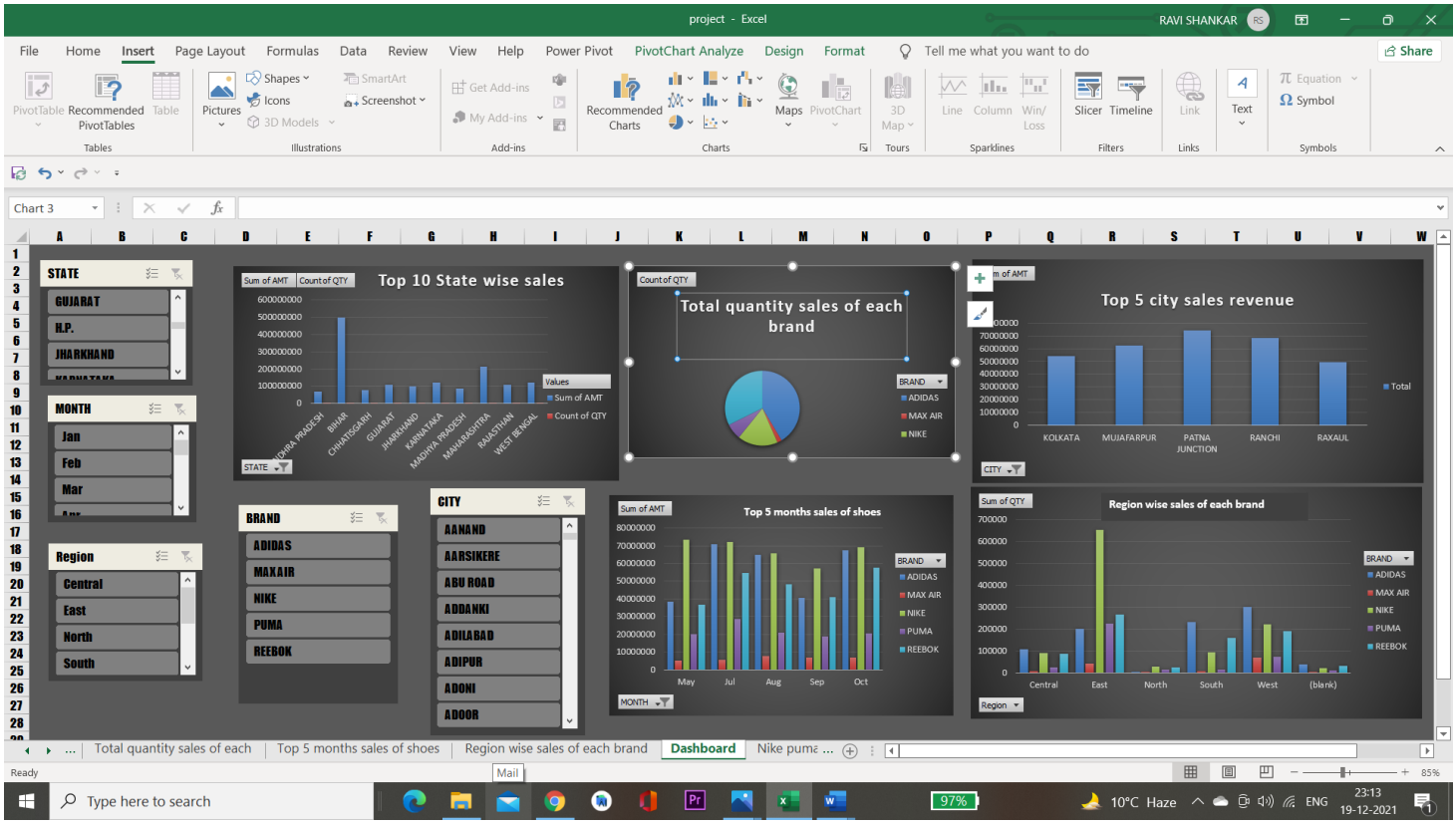
Total quantity sales of each | Top 5 months sales of shoes | Region wise sales of each brand | Dashboard | Nike puma ...

Slicer


STATE
GUJARAT
H.P.
JHARKHAND
MONTH
Jan
Feb
Mar
Region
Central
East
North
South

BRAND
ADIDAS
MAXAIR
NIKE
PUMA
REEBOK
CITY
AANAND
AARSIKERE
ABU ROAD
ADDANKI
ADILABAD
ADIPUR
ADONI
ADOOR

Dashboard


project - Excel
RAVI SHANKAR
Top 10 State wise sales
Total quantity sales of each brand
Top 5 city sales revenue
Top 5 months sales of shoes
Region wise sales of each brand
STATE
GUJARAT
H.P.
JHARKHAND
MONTH
Jan
Feb
Mar
Region
Central
East
North
South
BRAND
ADIDAS
MAXAIR
NIKE
PUMA
REEBOK
CITY
AANAND
AARSIKERE
ABU ROAD
ADDANKI
ADILABAD
ADIPUR
ADONI
ADOOR
KOLKATA
MUJAFARPUR
PATNA JUNCTION
RANCHI
RAXAUL
May
Jul
Aug
Sep
Oct
Central
East
North
South
West
(blank)
Total quantity sales of each
Top 5 months sales of shoes
Region wise sales of each brand
Dashboard
Nike puma ...
Ready
Type here to search
10°C Haze
ENG
23:13
19-12-2021