

#IPRACTICEANALYTICS | FunXExcel.com

If you want a **JOB**
in **Analytics**, **PRACTICE**
your skills by solving the
Google Play Store
Case Study



#IPRACTICEANALYTICS

If you want to get a job in Analytics, you need practice!

Who is this for?



Freshers

Students or anyone thinking of what it is to be a Data Analyst can practice the challenges I post through the #IPRACTICEANLAYTICS campaign. Make judgement of weather you want to

Completed any Course in Analytics

If you have finished a course in Analytics. Either online or offline. And want to sharpen your skills, this series of practice problems are for you. The more you practice the more confident you will sound in your interviews.

Planning to get into Analytics

If you want to switch domains and don't know where to start, this practice challenges are meant for you. It will help you find opportunities in your current profile to use on your Resume.

Or anyone in the Analytics field who wants to upgrade their skills!

What will you practice?

DAILY PRACTICE

Analytical tools

The first stages on doing Analytics is understanding data and transforming data to answer business questions or use Statistics or Build models. These challenges will help you prepare data better.

Visualization

There many ways to visualize data and tell a story. These challenges will help you visualize data and also help you build Dashboards.

Your Profile

It takes a lot of work crafting a suitable profile for Analytics. Challenges will involve shaping you Resume, LinkedIn Profile and getting heard on LinkedIn. Also, adding content to GitHub to show case you projects.

A silhouette of a scuba diver is shown against a bright, hazy background of water. The diver is positioned diagonally, with their head towards the upper right and legs towards the lower left. They are wearing a full scuba gear, including a tank, regulator, and fins. Bubbles are visible around the diver's head and legs. A semi-transparent dark grey rectangular box is overlaid on the lower half of the image, containing the text "Ready to dive into challenges?".

Ready to dive into challenges?



Analysing Google Play Store Apps

Jan'19 Practice Challenge

Data check and cleaning

Basic: Present answers in one slide

1. How many columns and rows are present in the dataset
2. Identify the number of numerical variables and list them
3. Do the application perform really good or bad ?
4. Convert the variables that are numeric but are stored in text format
 1. If the units vary convert them to one unit (eg. Convert all app sizes to MB)
5. Find the average apps size
6. Find the average of installs
7. What is the paid/free ratio?

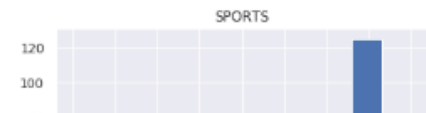
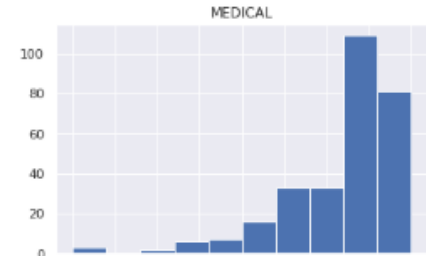
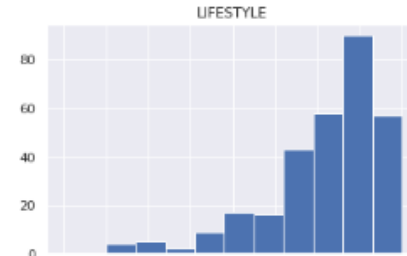
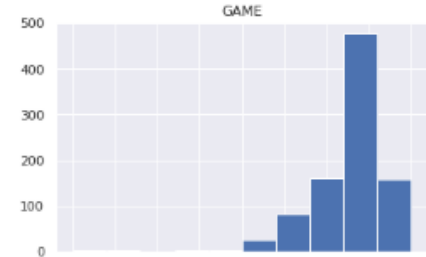
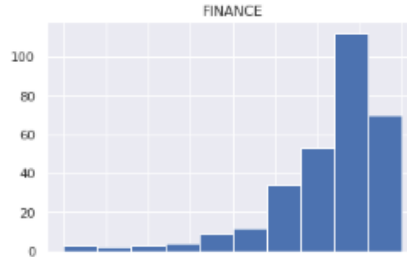
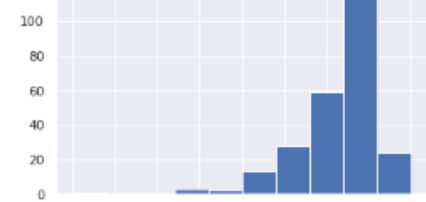
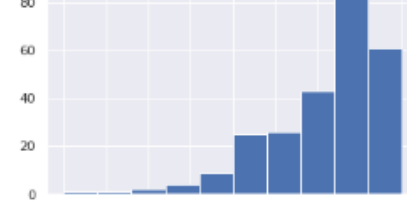
Reviews				
A	B	C	D	E
App	Category	Rating	Reviews	Size
Photo Editor & Candy Camera & ART	ART_AND_DESIGN	4.1	159	19M
Coloring book moana	ART_AND_DESIGN	3.9	967	14M
U Launcher Lite â€” FREE Live Co	ART_AND_DESIGN	4.7	87510	8.7M
Sketch - Draw & Paint	ART_AND_DESIGN	4.5	215644	25M
Pixel Draw - Number Art Colori	ART_AND_DESIGN	4.3	967	2.8M
Paper flowers instructions	ART_AND_DESIGN	4.4	167	5.6M
Smoke Effect Photo Maker - Sm	ART_AND_DESIGN	3.8	178	19M
Infinite Painter	ART_AND_DESIGN	4.1	36815	29M
Garden Coloring Book	ART_AND_DESIGN	4.4	13791	33M
Kids Paint Free - Drawing Fun	ART_AND_DESIGN	4.7	121	3.1M
Text on Photo - Fontee	ART_AND_DESIGN	4.4	13880	28M
Name Art Photo Editor - Focus	ART_AND_DESIGN	4.4	8788	12M
Tattoo Name On My Photo Edit	ART_AND_DESIGN	4.2	44829	20M
Mandala Coloring Book	ART_AND_DESIGN	4.6	4326	21M
3D Color Pixel by Number - San	ART_AND_DESIGN	4.4	1518	37M
Learn To Draw Kawaii Character	ART_AND_DESIGN	3.2	55	2.7M
Photo Designer - Write your na	ART_AND_DESIGN	4.7	3632	5.5M
350 Diy Room Decor Ideas	ART_AND_DESIGN	4.5	27	17M
FlipaClip - Cartoon animation	ART_AND_DESIGN	4.3	194216	39M
ibis Paint X	ART_AND_DESIGN	4.6	224399	31M
Logo Maker - Small Business	ART_AND_DESIGN	4	450	14M
Boys Photo Editor - Six Pack & M	ART_AND_DESIGN	4.1	654	12M
Superheroes Wallpapers 4K B	ART_AND_DESIGN	4.7	7699	4.2M
Mcqueen Coloring pages	ART_AND_DESIGN	NaN	61	7.0M
HD Mickey Minnie Wallpapers	ART_AND_DESIGN	4.7	118	23M
Harley Quinn wallpapers HD	ART_AND_DESIGN	4.8	192	6.0M
Colo				
Anir				
Pen				
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Pink Silver Bow Keyboard Th	ART_AND_DESIGN	4.2	1120	9.2M
Art Drawing Ideas	ART_AND_DESIGN	4.1	227	5.2M

#IPRACTICEANALYTICS

Analysis & Visualization

Use the a chart to answer; one slide one answer

1. Plot a histogram to show the spread of applications across
2. Find out the top 5 categories that have the highest share. Represent it using an appropriate chart
3. Plot the average rating of the top 15 categories. Find the top 2 performing categories. What 5 of application have a rating above 4.5?
4. Does size impact the app rating? Are they light or heavy?
5. Does app price impact the rating? What is the right range to price an app?
6. In the top 5 categories(based on share) what is the Paid/Free ratio?
7. Are paid apps downloaded as much as free?



Statistics

Answer the following questions in one slide each

- Does the average rating of apps significantly vary across categories?
 - Tip: remove NA's
- What insight can you draw from the correlation of the numerical variables?

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Sentiment Analysis

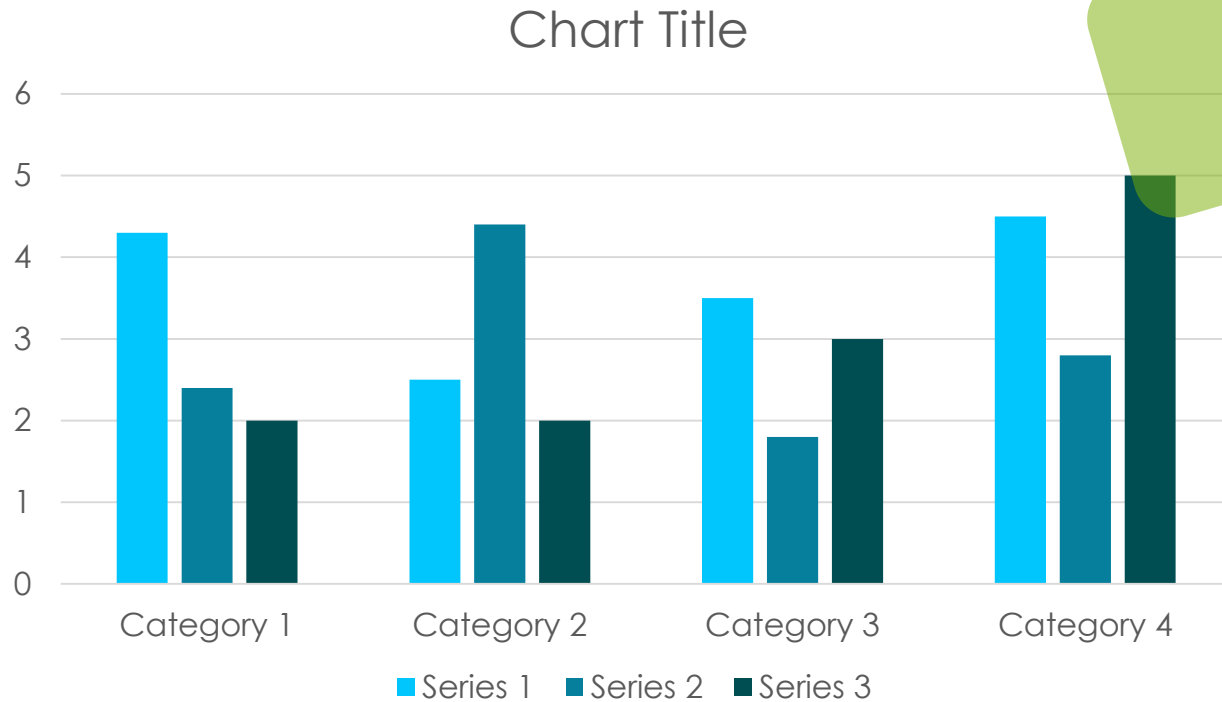
Answer the following questions in one slide each

1. Find the mix of review sentiment (positive/negative/neutral) across the top 25 categories. Which category has the highest sentiment positive sentiment. Which have high negative sentiment?
2. Does the sentiment vary across Free and Paid apps?
3. Identify the top positive and negative words across free and paid apps – Use appropriate method to show them

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<Important observation in one line>



Answer Format

1. Observation 1
2. Observation 2

Send the solutions to me!

- Post a screenshot of any one slide of solution on LinkedIn and tag me along with using the #IPRACTICEANALYTICS
- Please submit your solutions using this link – [Submission Form](#)
- For doubts email: kunaal@funxexcel.com
- PLEASE ENSURE THE SOLUTION PRESENTED properly
- I will post videos showing how I solved the challenge shortly



An underwater photograph showing two divers and a large sea turtle. The turtle is in the center, swimming upwards. One diver is positioned below the turtle, and another diver is in the lower right foreground, holding a camera. Bubbles are visible around the divers, and the water is a deep blue. A dark horizontal bar with white text is overlaid on the image.

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Knowledge is of no value unless you put into practice!