

Perform the Exploratory Data Analysis on your domain-based dataset and demonstrate the retrieved insights using “Matplotlib” modules.  
Visualize hidden insights using appropriate plots (graphs) [Usage of line plot and scatter plot are mandatory]

```
import pandas as pd
import matplotlib.pyplot as plt
```

```
df = pd.read_csv('googleplaystore.csv')
```

```
print(df.head())
```

|   | App                                               | Category       | Rating | \ |
|---|---------------------------------------------------|----------------|--------|---|
| 0 | Photo Editor & Candy Camera & Grid & ScrapBook    | ART_AND_DESIGN | 4.1    |   |
| 1 | Coloring book moana                               | ART_AND_DESIGN | 3.9    |   |
| 2 | U Launcher Lite – FREE Live Cool Themes, Hide ... | ART_AND_DESIGN | 4.7    |   |
| 3 | Sketch - Draw & Paint                             | ART_AND_DESIGN | 4.5    |   |
| 4 | Pixel Draw - Number Art Coloring Book             | ART_AND_DESIGN | 4.3    |   |

  

|   | Reviews | Size | Installs    | Type | Price | Content | Rating   | \ |
|---|---------|------|-------------|------|-------|---------|----------|---|
| 0 | 159     | 19M  | 10,000+     | Free | 0     |         | Everyone |   |
| 1 | 967     | 14M  | 500,000+    | Free | 0     |         | Everyone |   |
| 2 | 87510   | 8.7M | 5,000,000+  | Free | 0     |         | Everyone |   |
| 3 | 215644  | 25M  | 50,000,000+ | Free | 0     |         | Teen     |   |
| 4 | 967     | 2.8M | 100,000+    | Free | 0     |         | Everyone |   |

  

|   | Genres                    | Last Updated     | Current Ver        | \ |
|---|---------------------------|------------------|--------------------|---|
| 0 | Art & Design              | January 7, 2018  | 1.0.0              |   |
| 1 | Art & Design;Pretend Play | January 15, 2018 | 2.0.0              |   |
| 2 | Art & Design              | August 1, 2018   | 1.2.4              |   |
| 3 | Art & Design              | June 8, 2018     | Varies with device |   |
| 4 | Art & Design;Creativity   | June 20, 2018    | 1.1                |   |

  

|   | Android Ver  |
|---|--------------|
| 0 | 4.0.3 and up |
| 1 | 4.0.3 and up |
| 2 | 4.0.3 and up |
| 3 | 4.2 and up   |
| 4 | 4.4 and up   |

```
print(df.info())
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10841 entries, 0 to 10840
Data columns (total 13 columns):
#   Column              Non-Null Count  Dtype
---  ---
0   App                  10841 non-null  object
1   Category              10841 non-null  object
2   Rating                9367 non-null   float64
3   Reviews               10841 non-null  object
4   Size                  10841 non-null  object
5   Installs              10841 non-null  object
6   Type                  10840 non-null  object
7   Price                 10841 non-null  object
8   Content Rating       10840 non-null  object
9   Genres                10841 non-null  object
10  Last Updated          10841 non-null  object
11  Current Ver           10833 non-null  object
12  Android Ver           10838 non-null  object
dtypes: float64(1), object(12)
memory usage: 1.1+ MB
None
```

```
print(df.describe())
```

|       | Rating      |
|-------|-------------|
| count | 9367.000000 |
| mean  | 4.193338    |
| std   | 0.537431    |
| min   | 1.000000    |
| 25%   | 4.000000    |
| 50%   | 4.300000    |
| 75%   | 4.500000    |
| max   | 19.000000   |

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```

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|-------|-------------|
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| 25%   | 4.000000    |



Number of Apps per Category

