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Big Data Programming Assignment: 03 Analysis Report



1. Find total unique new items in your data-set of new mobiles and tablets?

919

1. Find total number of items those were able to match from old items to new items?

5493

1. Find total unique items those were available for sale on olx? only items that you were able to match.

2759

1. Which ad was viewed the most? list top 10 ads.

**Most viewed ad**

Title: Gfive President G6

AD\_ID: 823093023

Views: 7826

Location: Lahore, Punjab

Username: Azim

**Top 10 ads**

1. Title: Gfive President G6

AD\_ID: 823093023

Views: 7826

Location: Lahore, Punjab

Username: Azim

1. Title: Qmobile Bolt T5

AD\_ID: 822027885

Views: 2915

Location: Lahore, Punjab

Username: NA

1. Title: HTC Desire 610

AD\_ID: 822958521

Views: 2792

Location: Lahore, Punjab

Username: Ashfaq ahmed

1. Title: Qmobile Linq X70

AD\_ID: 822587669

Views: 2055

Location: Lahore, Punjab

Username: hanifpvtlimited

1. Title: QMobile E995

AD\_ID: 819786653

Views: 1812

Location: Lahore, Punjab

Username: Gufran Khan

1. Title: Nokia Lumia 620

AD\_ID: 823374527

Views: 1696

Location: Lahore, Punjab

Username: Faheem

1. Title: Samsung Galaxy J7

AD\_ID: 823002773

Views: 1662

Location: Lahore, Punjab

Username: Usman Pirzada

1. Title: Huawei Y6

AD\_ID:

Views: 1437

Location: Lahore, Punjab

Username: Rizwan

1. Title: Samsung Galaxy Nexus

AD\_ID: 816879083

Views: 1374

Location: Lahore, Punjab

Username: Main bilal

1. Title: LG V10

AD\_ID: 822197305

Views: 1260

Location: Lahore, Punjab

Username: Fawad

1. What mobile was available for sale most? list top 10 mobiles

**Product available for sale most**

Title: LG G2

No. of Ads: 255

**Top 10 Mobiles**

1. Title: LG G2  
   No. of Ads: 255
2. Title: LG G3

No. of Ads: 255

1. Title: Samsung Galaxy Note

No. of Ads: 193

1. Title: Nokia X

No. of Ads: 107

1. Title: Nokia XL

No. of Ads: 41

1. Title: Nokia Lumia 630

No. of Ads: 9

1. Title: Nokia Lumia 625

No. of Ads: 7

1. Title: Nokia C1

No. of Ads: 5

1. Title: Nokia Lumia 635

No. of Ads: 4

1. Which user posted most ads? list top users.

**User who posted most ads**

Username: Sayed

Phone: +92 3009460994

**Top Users**

1. Username: Sayed

Phone: +92 3009460994

1. Username: Essa Hazoor  
   Phone: +92 3008894928
2. Username: Muhammad  
   Phone: 3214047592
3. Username: Abbas  
   Phone: +92 3456671434
4. Username: Hanan  
   Phone: +92 3324793085
5. Which city included most ads? rank cities according to the number of ads posted.

**City that included most ads**

City: Lahore, Punjab

No. of Ads: 2047

**Cities Ranking in terms of Ads posted**

1. Lahore, Punjab
2. Karachi, Sindh
3. Islamabad
4. Find average percentage change prices of all unique items.  
     
   Average percentage change prices: **0.003203569**
5. Try to ﬁnd some relationship between % change in price:
6. Ad Views

The ads with highest views are most likely to be having minimum %-change in price.

Title: GFive President G6

Views: 7826

%-Change in Price: 0.004705882

1. Cities

The city with highest ads has less average % change in price.

|  |  |  |  |
| --- | --- | --- | --- |
| City | Lahore, Punjab | Islamabad | Karachi |
| No. of Ads | 4167 | 39 | 17 |
| Average %-age Change in Price | 0.003392288 | 0.005555556 | 0.005555556 |

1. Brands

The brands with highest ads have less %-change in price.

Brand: Samsung

Ads: 2199

Average % change in Price: 0.002539509

Brand: LG

Ads: 774

Average % change in Price: 0.005413388

1. Users

The users with most ads have less average %-change in price.

User: Essa Hzoor

No. of Ads: 570

Average %-change in Price: 0.0003052513

1. Try to ﬁnd some relationship between % change in price of brand:
2. Ad Views

The Brand with most ad views has less % change in price.

Brand: Samsung

Ad Views: 736386

% Change in Price: 0.002539509

1. Cities

The brand with highest ads (Samsung) have highest % change in prices in Lahore, Punjab (City with most ads).

1. Users

The user who had posted most Samsung (Brand with most ads) ads, has a less % change in price.

User: Essa Hazoor

Brand: Samsung

% change in price: 0.002999883

1. If you want to buy a mobile/tablet today and possibly will sell it exactly 1 year later. Which mobile/tablet will you buy keeping in mind that you want to minimise the risk.

Title: Qmobile R400

Original Price: 2250

Olx Price: 2200