EDA quiz

11 out of 11 correct

1. What is the most common airline in the Flight Price dataset?

- ◯ Delta
- ◯ American Airlines
- ◯ United
- ◉ Southwest

Explanation: To identify the most common airline, we can use value_counts() on the 'Airline' column, which returns the count of each unique value. Southwest has the highest count, indicating it is the most common airline.

2. Which feature in the Google Playstore dataset has the highest correlation with app rating?

- ◉ Reviews
- ◯ Price
- ◯ Size
- ◯ Installs

Explanation: We can use correlation analysis to identify the feature(s) with the highest correlation with app rating. In this case, 'Reviews' has the highest correlation, indicating that higher reviews tend to be associated with higher ratings.

3. What is the most common app category in the Google Playstore dataset?

- ◯ Communication

- [x] Tools
- [ ] Entertainment
- [ ] Education

Explanation: We can use value_counts() on the 'Category' column to identify the most common app category. In this case, 'Tools' has the highest count, indicating it is the most common app category.

4. What is the average flight duration in the Flight Price dataset?

- [ ] 3 hours and 45 minutes
- [x] 4 hours and 30 minutes
- [ ] 5 hours and 15 minutes
- [ ] 6 hours and 20 minutes

Explanation: We can use the 'Duration' column to calculate the average flight duration. In this case, the average is approximately 4 hours and 30 minutes.

5. Which country has the highest number of apps in the Google Playstore dataset?

- [ ] India
- [x] United States
- [ ] Japan
- [ ] United Kingdom

Explanation: We can use value_counts() on the 'Country' column to identify the country with the highest number of apps. In this case, 'United States' has the highest count, indicating it has the most number of apps.

6. What is the range of app prices in the Google Playstore dataset?

- [ ] $0 to $50

- (●) $0 to $100
- ( ) $0 to $200
- ( ) $0 to $500

Explanation: We can use the 'Price' column to determine the range of app prices. In this case, the range is from $0 to $100.

7. What is the most common flight departure city in the Flight Price dataset?

- (●) New York
- ( ) Los Angeles
- ( ) Chicago
- ( ) Houston

Explanation: We can use value_counts() on the 'Departure City' column to identify the most common departure city. In this case, 'New York' has the highest count, indicating it is the most common departure city.

8. What is the average app size in the Google Playstore dataset?

- ( ) 50 MB
- ( ) 100 MB
- (●) 200 MB
- ( ) 500 MB

Explanation: We can use the 'Size' column to calculate the average app size. In this case, the average is approximately 200 MB.

9. In the Flight Price dataset, the "route" feature contains information about the departure and destination cities for each flight. How would you use this feature to perform EDA?

- ◯ Plot the average price for each departure city
- ◯ Plot the average price for each destination city
- ◯ Plot the average price for each route
- ◉ All of the above

Explanation: By plotting the average price for each departure city, destination city, and route, we can identify any patterns or trends in flight prices based on location.

10. In the Flight Price dataset, the "date" feature contains information about the date of the flight. How would you use this feature to perform EDA?

- ◯ Plot the average price for each month
- ◯ Plot the average price for each day of the week
- ◯ Plot the average price for each season
- ◉ All of the above

Explanation: By plotting the average price for each month, day of the week, and season, we can identify any patterns or trends in flight prices based on the time of year.

11. In the Google Playstore dataset, the "size" feature contains information about the size of each app. How would you use this feature to perform EDA?

- ◯ Plot the distribution of app sizes
- ◯ Plot the average rating for each app size
- ◯ Plot the number of installs for each app size
- ◉ All of the above

Explanation: By plotting the distribution of app sizes, the average rating for each app size, and the number of installs for each app size, we can identify any patterns or trends in app size and its relationship with rating and popularity.

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