

The screenshot shows a web browser with multiple tabs, including 'Data Analysis and AI - Data Analysis', 'The Android App Market on Google Play', 'continue - ipynb.tuttech!!!', and 'ChatGPT'. The active tab is 'projects.datacamp.com/projects/619'. The page displays a project titled 'The Android App Market on Google Play'. On the left, there's a sidebar with 'Task 4: Instructions' and a list of steps: 1. Find the number of unique app categories, 2. Count the number of apps in each category, 3. Sort the categories in descending order of app count. The main area shows a Jupyter notebook with a code cell for 'Exploring app categories'.

Google Play Store Analysis - Task 4

Task 4 Instructions

1. Find the number of unique app categories and save the result in `num_categories`.
2. Count the number of apps in each category and save the result in `num_apps_in_category`.
3. Sort the categories in descending order of app count and save the result in `sorted_num_apps_in_category`.

Correct Code Implementation

```
# Step 1: Find the number of unique app categories
num_categories = apps['Category'].nunique()
print("Number of unique categories is:", num_categories)
```

```
# Step 2: Count the number of apps in each category
num_apps_in_category = apps['Category'].value_counts()
```

```
# Step 3: Sort categories by the number of apps in descending order
sorted_num_apps_in_category =
num_apps_in_category.sort_values(ascending=False)
```

```
# Display the sorted results
```

```
print(sorted_num_apps_in_category)
```

Explanation of the Code

1. **`nunique()`**:
 - Calculates the total number of unique categories in the `Category` column.
 - Saves the result in the variable `num_categories`.
2. **`value_counts()`**:
 - Counts the number of apps in each category.
 - Saves the result in `num_apps_in_category`.
3. **`sort_values()`**:
 - Sorts the count of apps in descending order.
 - Saves the sorted result in `sorted_num_apps_in_category`.
4. **Visualization**:
 - (Optional) Use Plotly or Matplotlib to create a bar chart for visualizing the distribution of apps across categories.