



Data Visualization

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DATA SET DESCRIPTION

- **Name** : NEET Rank & Score Analysis (2015-2024)
- **About** : This dataset contains **NEET (National Eligibility cum Entrance Test) rank and score information** for students from **2015 to 2024**. The data includes **AIR (All India Rank), state ranks, category-wise cutoffs, percentile scores, and total marks obtained**.
- **Source & Author** : <https://www.kaggle.com/datasets/tanveersinghbedi/neet-rank-and-score-analysis-2015-2024/> ; Tanveer Singh

DATA SET DESCRIPTION (Continued)

- **Number of Rows** : 50000
- **Number of Column** : 12
- **Column details:**

- | | |
|---|---|
| 1. Year – Exam year | 7. Percentile – Percentile score |
| 2. Candidate_ID – Unique candidate identifier | 8. AIR(All India Rank) – Overall rank in India |
| 3. Name – Candidate's name | 9. State_Rank – Rank within the state |
| 4. State – State of domicile | 10. Category_Rank – Rank within the category |
| 5. Category – General, OBC, SC, ST, EWS | 11. Qualified_Status – Yes/No |
| 6. Total_Score – Total marks obtained out of 720 | 12. Cutoff_Score – minimum qualifying marks |

DATA CLEANING

- Checking for Null Value:

	0
Year	0
Candidate_ID	0
Name	0
State	0
Category	0
Total_Score	0
Percentile	0
AIR (All India Rank)	0
State_Rank	0
Category_Rank	0
Qualified_Status	0
Cutoff_Score	0
dtype: int64	

- Checking for duplicate values:

```
1 has_duplicates = df.duplicated().any()
2
3 print("Does the dataset have duplicates?", has_duplicates)

Does the dataset have duplicates? False
```

* The dataset does not have any derived attributed as well.

DATA CLEANING(Continued)

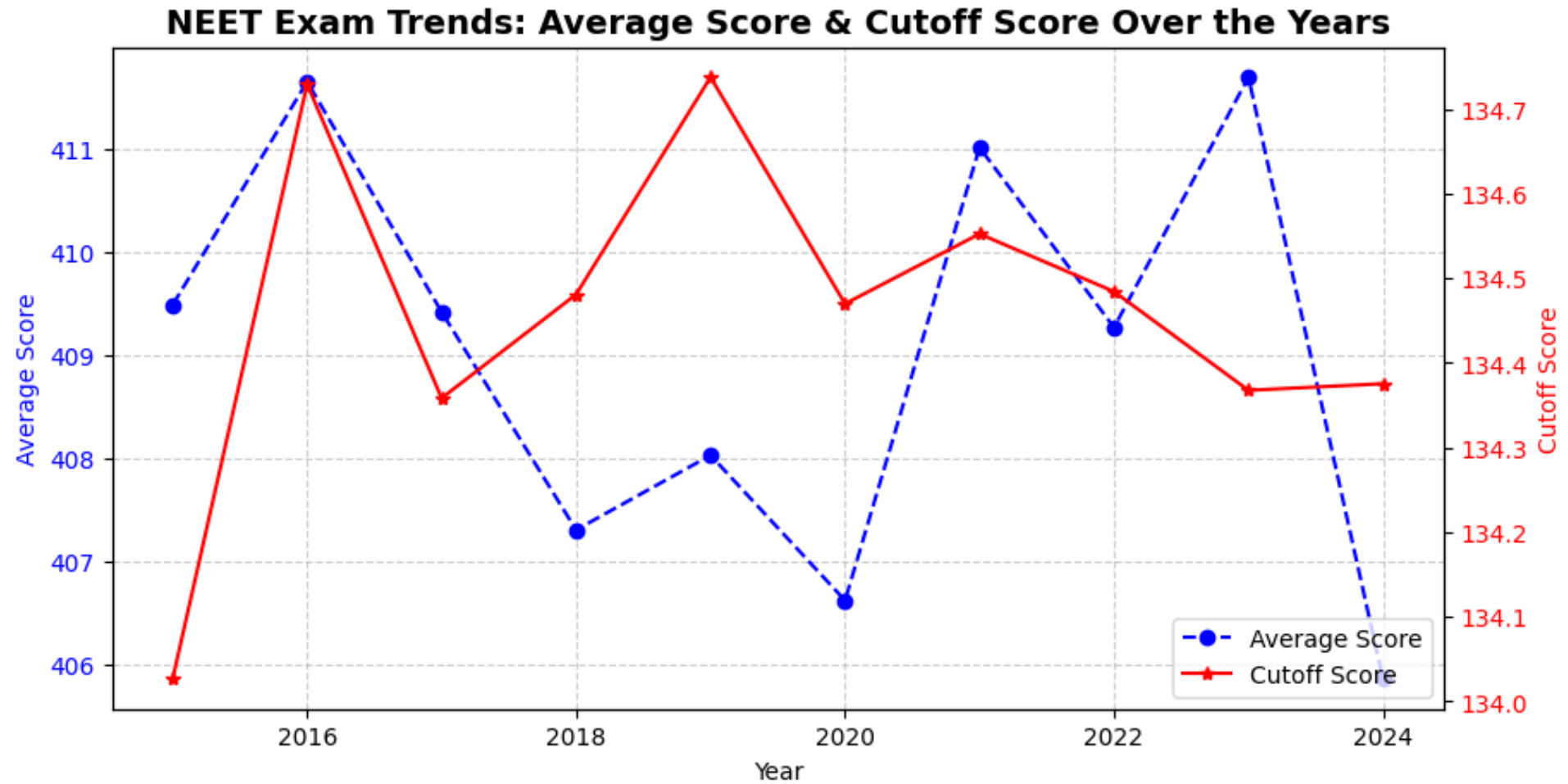
- Find outliers (Z Score method):

Z-score Method	
Total_Score	0
Percentile	0
AIR (All India Rank)	0
State_Rank	0
Category_Rank	0
Cutoff_Score	0

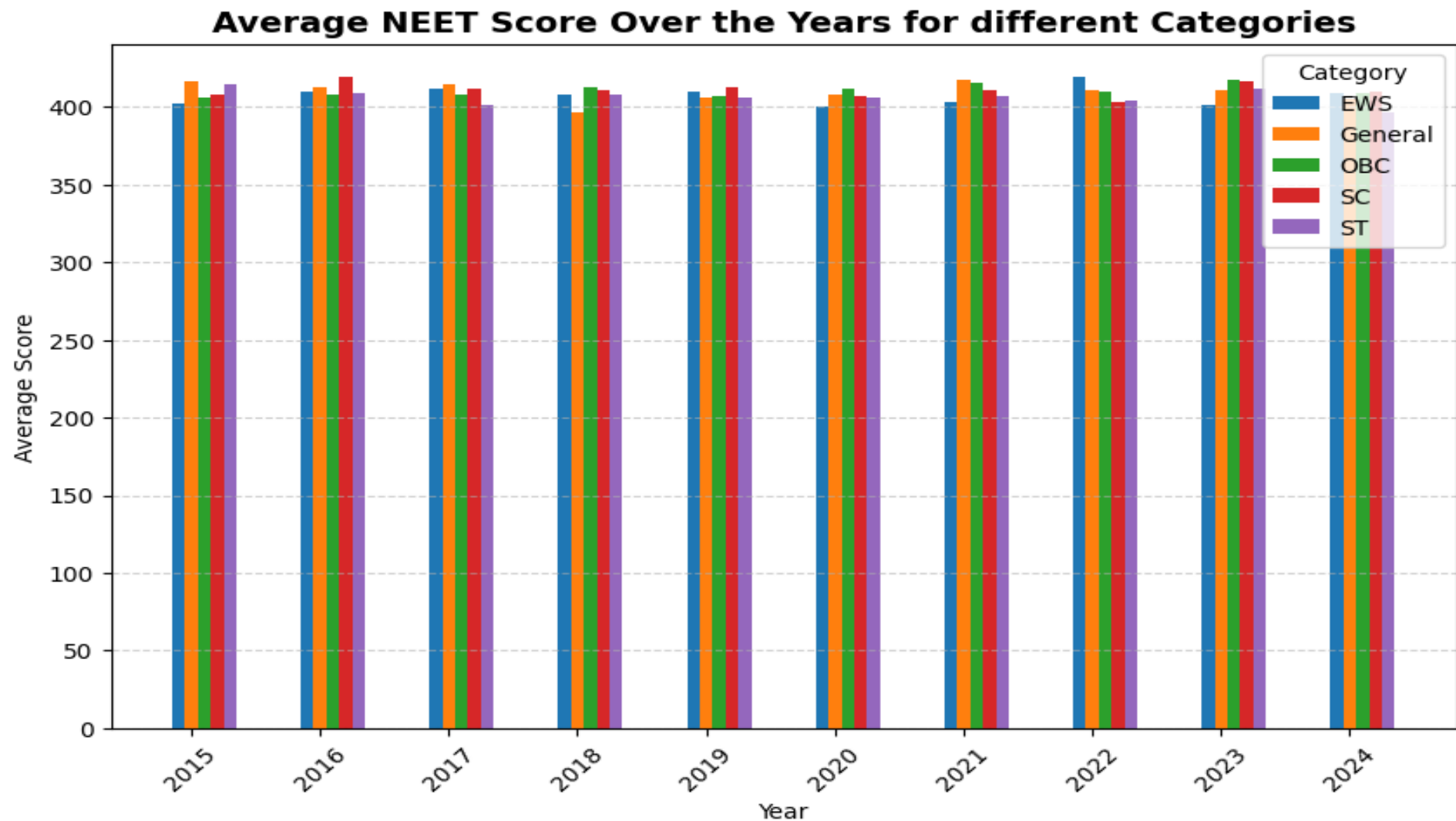
* The data set is cleaned.

RESULTS

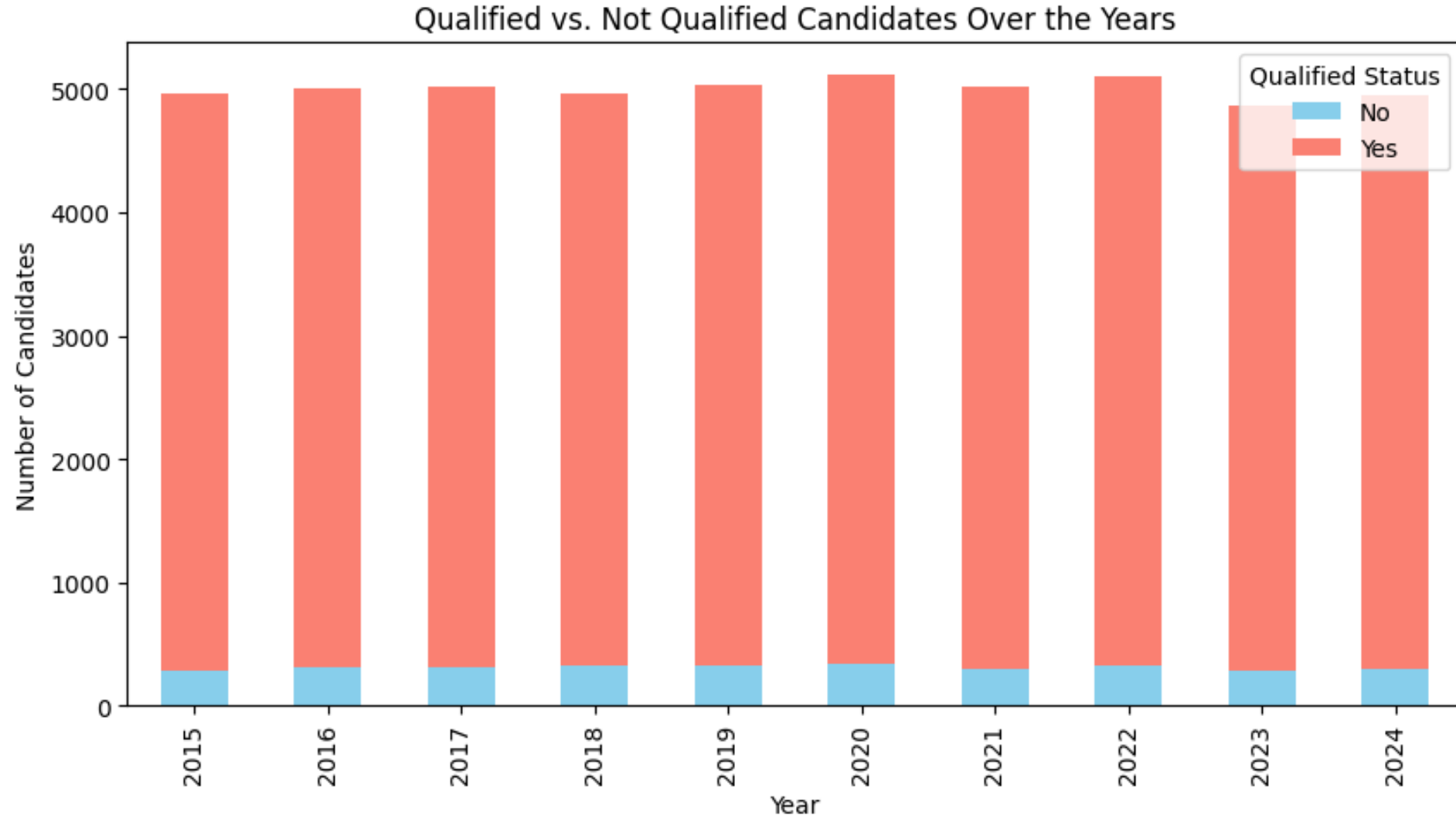
Average Score & Cutoff Score over the years



Average Score for Different Categories



Number of Candidates Qualified vs Not Qualified Over Years





Thank you !!