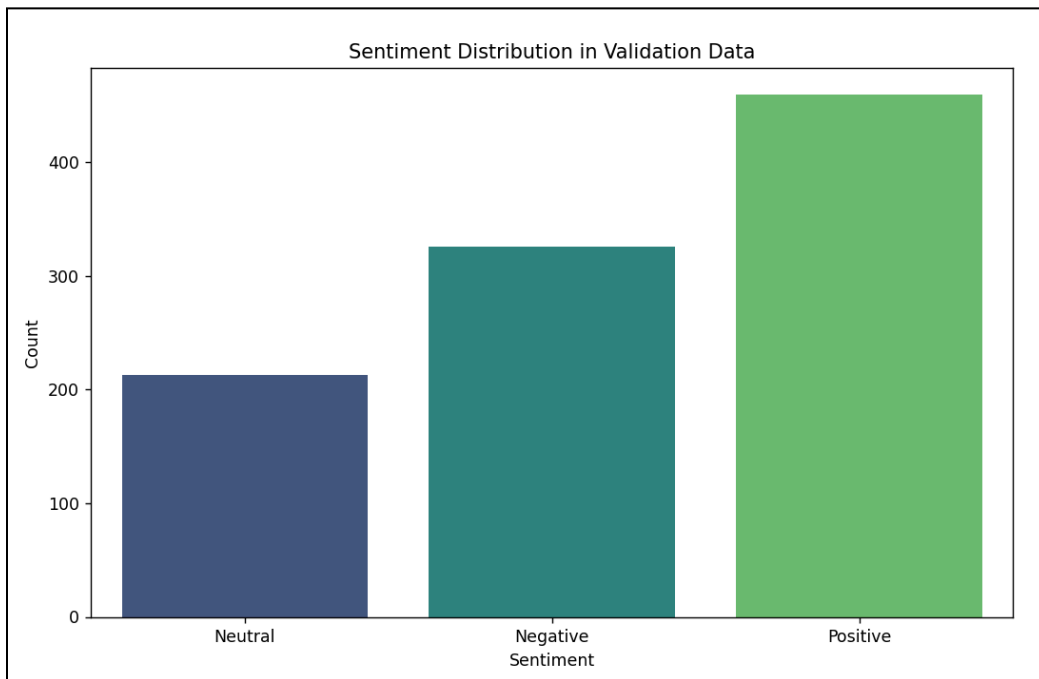
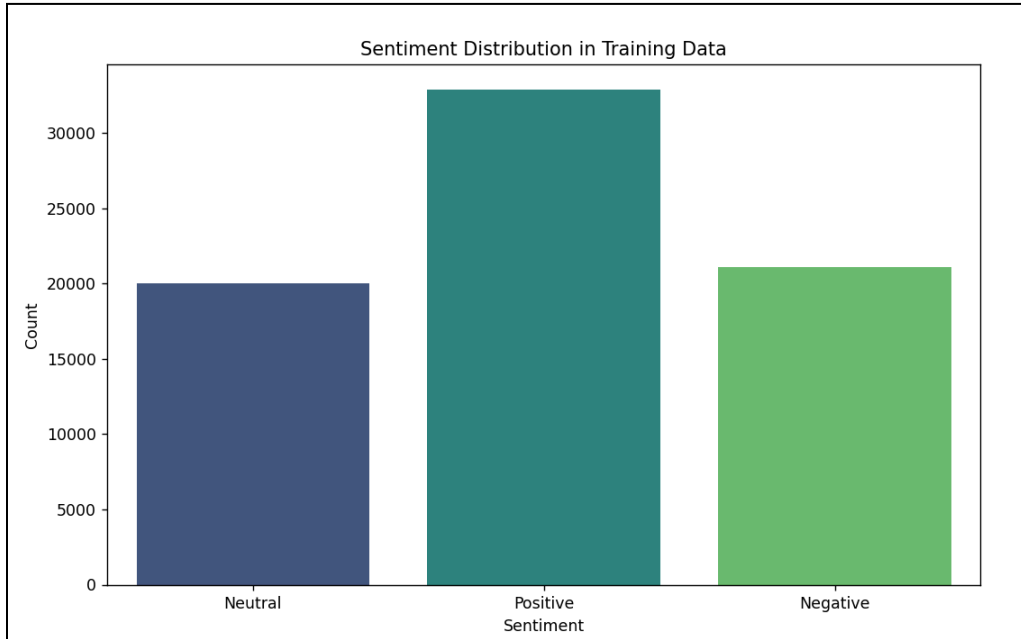
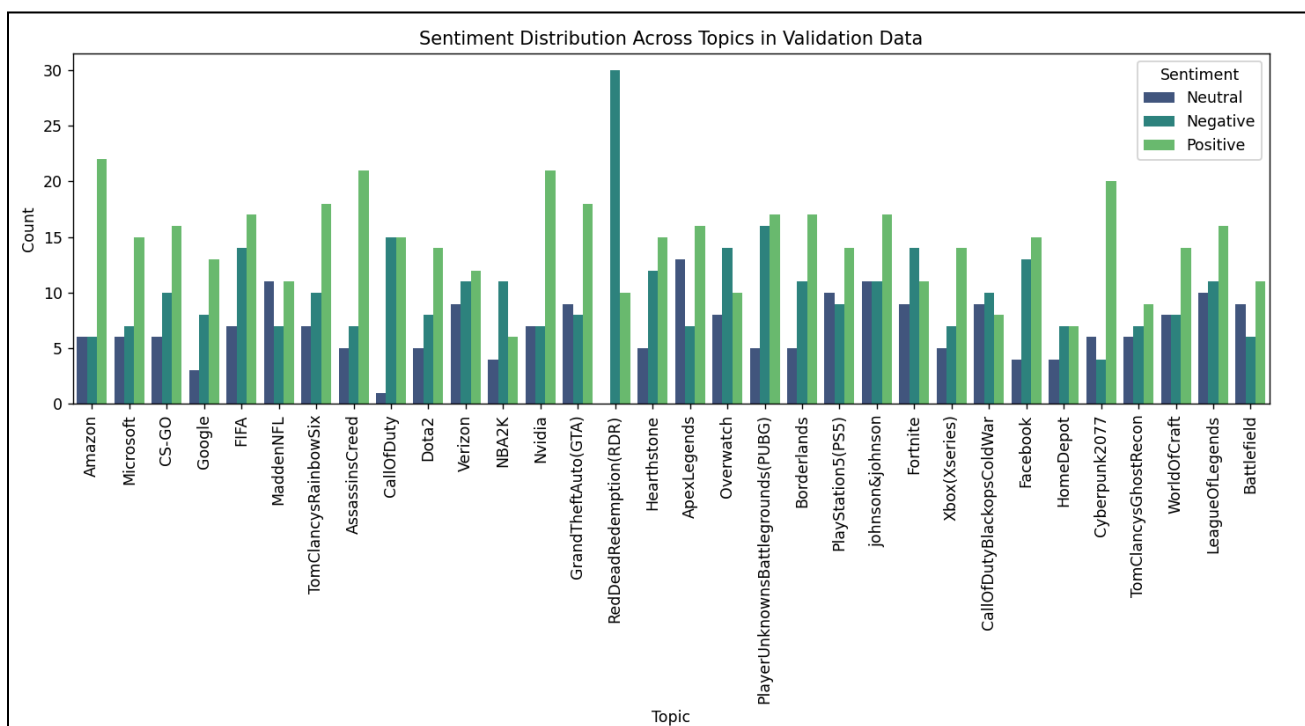
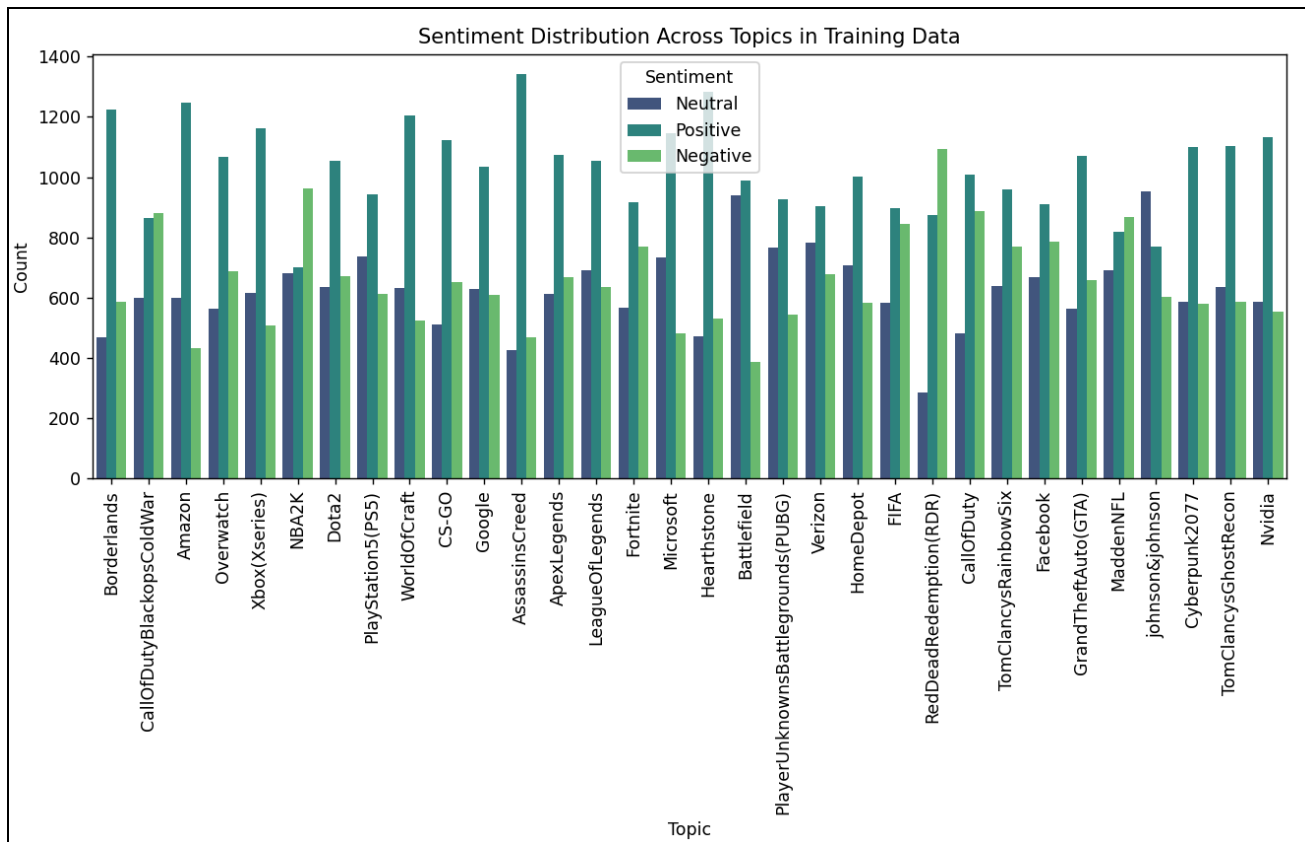


Task-4

Ques: Analyze and visualize sentiment patterns in social media data to understand public opinion and attitudes towards specific topics or brands.

Analysis Charts:





[illegible][illegible]

Numerical Analysis:

```
Top Topics with Positive Sentiment:
Topic
AssassinsCreed          1342
Hearthstone             1284
Amazon                  1247
Borderlands             1226
WorldOfCraft            1204
Xbox(Xseries)           1162
Microsoft               1147
Nvidia                  1133
CS-GO                   1123
TomClancysGhostRecon    1102
Name: count, dtype: int64
```

```
Top Topics with Negative Sentiment:
Topic
RedDeadRedemption(RDR)  1092
NBA2K                   961
CallofDuty              888
CallofDutyBlackopsColdWar 879
MaddenNFL               868
FIFA                    844
Facebook                785
Fortnite                768
TomClancysRainbowSix    768
Overwatch               688
Name: count, dtype: int64
```

```
Overall Sentiment Distribution:
Sentiment
Positive    32904
Negative    21075
Neutral     20016
Name: count, dtype: int64
```

Top Topics with Positive Sentiment:

Topic	
Amazon	22
AssassinsCreed	21
Nvidia	21
Cyberpunk2077	20
TomClancysRainbowSix	18
GrandTheftAuto(GTA)	18
johnson&johnson	17
FIFA	17
PlayerUnknownsBattlegrounds(PUBG)	17
Borderlands	17

Name: count, dtype: int64

Top Topics with Negative Sentiment:

Topic	
RedDeadRedemption(RDR)	30
PlayerUnknownsBattlegrounds(PUBG)	16
CallOfDuty	15
Fortnite	14
FIFA	14
Overwatch	14
Facebook	13
Hearthstone	12
Borderlands	11
LeagueOfLegends	11

Name: count, dtype: int64

Overall Sentiment Distribution:

Sentiment	
Positive	460
Negative	326
Neutral	213

Name: count, dtype: int64

PS C:\Users\TANYA>