tweet\_id airline\_sentiment airline\_sentiment\_confidence \

0 570306133677760513 neutral 1.0000

1 570301130888122368 positive 0.3486

2 570301083672813571 neutral 0.6837

3 570301031407624196 negative 1.0000

4 570300817074462722 negative 1.0000

negativereason negativereason\_confidence airline \

0 NaN NaN Virgin America

1 NaN 0.0000 Virgin America

2 NaN NaN Virgin America

3 Bad Flight 0.7033 Virgin America

4 Can't Tell 1.0000 Virgin America

airline\_sentiment\_gold name negativereason\_gold retweet\_count \

0 NaN cairdin NaN 0

1 NaN jnardino NaN 0

2 NaN yvonnalynn NaN 0

3 NaN jnardino NaN 0

4 NaN jnardino NaN 0

text tweet\_coord \

0 @VirginAmerica What @dhepburn said. NaN

1 @VirginAmerica plus you've added commercials t... NaN

2 @VirginAmerica I didn't today... Must mean I n... NaN

3 @VirginAmerica it's really aggressive to blast... NaN

4 @VirginAmerica and it's a really big bad thing... NaN

tweet\_created tweet\_location user\_timezone

0 2015-02-24 11:35:52 -0800 NaN Eastern Time (US & Canada)

1 2015-02-24 11:15:59 -0800 NaN Pacific Time (US & Canada)

2 2015-02-24 11:15:48 -0800 Lets Play Central Time (US & Canada)

3 2015-02-24 11:15:36 -0800 NaN Pacific Time (US & Canada)

4 2015-02-24 11:14:45 -0800 NaN Pacific Time (US & Canada)

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 14640 entries, 0 to 14639

Data columns (total 15 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 tweet\_id 14640 non-null int64

1 airline\_sentiment 14640 non-null object

2 airline\_sentiment\_confidence 14640 non-null float64

3 negativereason 9178 non-null object

4 negativereason\_confidence 10522 non-null float64

5 airline 14640 non-null object

6 airline\_sentiment\_gold 40 non-null object

7 name 14640 non-null object

8 negativereason\_gold 32 non-null object

9 retweet\_count 14640 non-null int64

10 text 14640 non-null object

11 tweet\_coord 1019 non-null object

12 tweet\_created 14640 non-null object

13 tweet\_location 9907 non-null object

14 user\_timezone 9820 non-null object

dtypes: float64(2), int64(2), object(11)

memory usage: 1.7+ MB

None

text \

0 @VirginAmerica What @dhepburn said.

1 @VirginAmerica plus you've added commercials t...

2 @VirginAmerica I didn't today... Must mean I n...

3 @VirginAmerica it's really aggressive to blast...

4 @VirginAmerica and it's a really big bad thing...

cleaned\_text

0 virginamerica dhepburn said

1 virginamerica plus youve added commercials exp...

2 virginamerica didnt today must mean need take ...

3 virginamerica really aggressive blast obnoxiou...

4 virginamerica really big bad thing

airline\_sentiment

negative 9178

neutral 3099

positive 2363

Name: count, dtype: int64

airline\_sentiment negative neutral positive

tweet\_created

2015-02-16 3.0 1.0 0.0

2015-02-17 838.0 297.0 273.0

2015-02-18 736.0 335.0 273.0

2015-02-19 751.0 329.0 296.0

2015-02-20 835.0 383.0 282.0

2015-02-21 1049.0 278.0 230.0

2015-02-22 2266.0 463.0 350.0

2015-02-23 1919.0 676.0 433.0

2015-02-24 781.0 337.0 226.0

<ipython-input-25-fe2bee315db6>:54: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue` and set `legend=False` for the same effect.

sns.countplot(x='airline\_sentiment', data=df, palette='viridis')





