```
In [ ]: | ###necessary libaries###
        import numpy as np
        import pandas as pd
        import seaborn as sns
        import glob
        import os
        from datetime import datetime
        import matplotlib.pyplot as plt
        import re
        # file where csv files lies
        path = r'C:\Users\victo\Master_Thesis\merging_data\porsche\minutely\merged_files'
        all_files = glob.glob(os.path.join(path, "*.csv"))
        # read files to pandas frame
        list_of_files = []
        for filename in all files:
            list of files.append(pd.read csv(filename,
                                              sep=',',
        # Concatenate all content of files into one DataFrames
        concatenate dataframe = pd.concat(list of files,
                                               ignore index=True,
                                               axis=0,
        #print(concatenate dataframe)
        #calculating correlation price vs semantics
        new df price = concatenate dataframe[['return one hot encoded',
                                               'flair sentiment header score',
                                               'flair sentiment content score',
                                               'compound vader header',
                                               'compound_vader_articel_content',
                                               'polarity textblob sentiment header',
                                               'polarity textblob sentiment content']]
        new_df_price = new_df_price.fillna(0)
        print(new_df_price)
        corr_price = new_df_price.corr()
        corr price.fillna(0)
        print(corr_price)
        corr_price.to_excel(r'C:\Users\victo\Master_Thesis\correlation\porsche\minutely\cor
        relation\porsche correlation price with semantics.xlsx')
        #calculating correlation volume vs semantics
        new_df_volume = concatenate_dataframe[['volume_one_hot_encoded',
                                                 'flair_sentiment_header_score',
                                                'flair sentiment content score',
                                                'compound_vader_header',
                                                'compound_vader_articel_content',
                                                'polarity_textblob_sentiment_header',
                                                'polarity textblob sentiment content']]
        new_df_volume[['volume_one_hot_encoded',
                        'flair sentiment_header_score',
                        'flair sentiment content score',
                        'compound vader header',
```

1 von 2 24.09.2020, 02:40

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'compound_vader_articel_content',
               'polarity_textblob_sentiment_header',
               'polarity_textblob_sentiment_content']] = new_df_volume[['volume_one
_hot_encoded',
                                                                          'flair sent
iment_header_score',
                                                                          'flair_sent
iment_content_score',
                                                                          'compound_v
ader_header',
                                                                          'compound_v
ader_articel_content',
                                                                          'polarity_t
extblob_sentiment_header',
                                                                          'polarity_t
extblob_sentiment_content']].fillna(0)
print(new_df_volume)
corr_volume = new_df_volume.corr()
corr_volume.fillna(0)
print(corr_volume)
corr volume.to excel(r'C:\Users\victo\Master Thesis\correlation\porsche\minutely\co
rrelation\porsche_correlation_volume_with_semantics.xlsx')
```

2 von 2 24.09.2020, 02:40