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alterReviews.py
                     Fri May 29 14:53:00 2020
#################################
## This file was used to remove char ; from reviews
## which forces csv to read additinal columns
##############################
import pandas as pd
import json
data_file = pd.read_csv('yelp_academic_dataset_review.csv', keep_default_na=False)
def applyadj(x):
  if x[3] != '': #not pd.isna(x[3]):
          if x[4] != '': #not pd.isna(x[4]):
                        return x[0]+x[1]+x[2]
          else:
                        return x[0]+x[1]
  else:
        return x[0]
def applyadj2(x):
  if x[3] != '': #not pd.isna(x[3]):
          if x[4] != '': #not pd.isna(x[4]):
                return x[3] #pd.DataFrame([ x[0], x[3], x[4]])
          else:
                return x[2]
  else:
        return x[1]
def applyadj3(x):
  if x[3] != '':#not pd.isna(x[3]):
          if x[4] != '': #not pd.isna(x[4]):
                return x[4] #pd.DataFrame([ x[0], x[3], x[4]])
                return x[3]
  else:
        return x[2]
def applystr(x):
  if isinstance(x, str):
    return x.replace('\n', r' ').replace(';', r':')
  else: return x
data_file['text'] = data_file[['text','useful', 'user_id', 'Unnamed: 9', 'Unnamed: 10']].a
pply(applyadj, axis=1)
data_file['useful'] = data_file[['text','useful', 'user_id', 'Unnamed: 9', 'Unnamed: 10']]
.apply(applyadj2, axis=1)
data_file['user_id'] = data_file[['text','useful', 'user_id', 'Unnamed: 9', 'Unnamed: 10']
].apply(applyadj3, axis=1)
data_file['text'] = data_file['text'].apply(lambda x: applystr(x))
data_file.to_csv('yelp_academic_dataset_review_without_newline_text.csv')
```