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# Project 8 Solutions
# Student Name: Elizabeth McGuckin
# Peer Collaborators (if any) and nature of the collaboration: Natalie McGuckin and Jayla
Langford (We worked together with the TA)
# TA help sought (if any): Jun and Kevin
# Online resources used (if any) and weblink for location of resources:
# 1a. (3 pts)
# Comment about method of solution:
# Here is the number of airplane flights that originate from a specific airport for 1987-2019.
Solution itself:
#!/bin/bash
for flights in {1987..2019}
  cat /class/datamine/data/flights/$flights.csv | cut -d, -f15 | grep $1 | wc -l
done
# 2a. (3 pts)
# Comment about method of solution:
#Here is the number of donations in a State from 1980-2020 for each even numbered year. I
chose to run IN.
Solution itself
#!/bin/bash
for ((election = 1980 ; election <= 2020 ; election+=2))</pre>
cat /class/datamine/data/election/itcont$election.txt | cut -d"|" -f10 | grep $1 | wc -l
done
# 3a. (4 pts)
# Comment about method of solution:
#Here I printed the average for the total cost of a yellow taxi cab ride from January 2017 to
December 2018
Solution itself
#!/bin/bash
for year in {2017..2018}
 for month in {01..12}
    cat /class/datamine/data/taxi/yellow/yellow tripdata ${year}-${month}.csv | awk -F,
'{total+=$17;count+=1} END{print total/count}'
  done
done
```