

Cigarette Smoke Poll Analytics

The data file contains the number of surveys conducted on different years in different states. Each survey reports the percentage of cigarette users among those who participated in the survey.

Step 1 [30]: Read file and display the number of rows in the data.

Step 2 [30]: Find and display the average number of surveys conducted per state.

Step 3 [30]: Among the surveys in the data-set, display the minimum and maximum smoking rate.

Step 4 [30]: Find average smoker rate per state and display the states with minimum and maximum average.

Step 5 [40]: Same as Step 4 but display the top 10 states instead of min and max.

Step 6 [40]: Get state and year from user and display the surveys for that state for that year.

Step 7 [50]: Get state from user as input (using input()) and display the average smoker rate year by year. By looking at the most recent 2 years, display if the cigarette use is on decline or rise.

Try to match the screenshots displayed here as much as possible. (-50 penalty)

Step 1
=====
of Surveys: 3519

Step 2
=====
of States: 51
Average # of Surveys per State: 69.0

Step 3
=====
Minimum:
2015 RI 0.2
Maximum:
2003 SD 62.3

Step 4
=====
Min: CA 5.992857142857143
Max: SD 30.221153846153843

Step 5
=====
SD 30.221153846153843

MT 25.753947368421052
OH 24.54146341463414
AR 23.43387096774193
AL 22.81571428571429
MO 22.193103448275856
US 21.50254237288136
OK 20.95344827586207
WI 20.590476190476192
MS 20.545454545454547

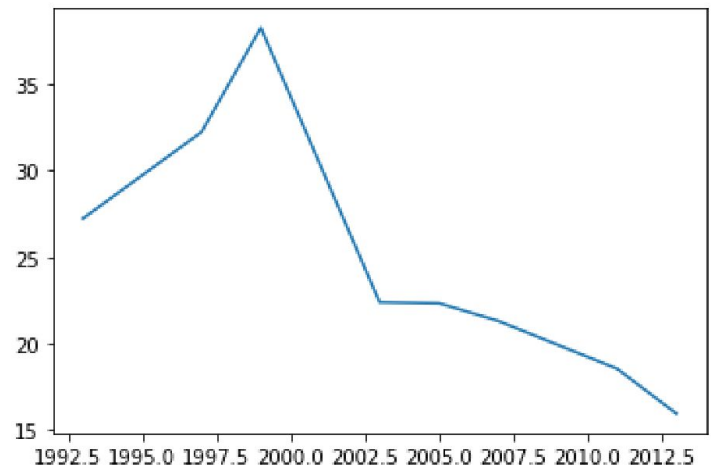
Step 6
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State: **CA**

Year: **2017**
Found 7 surveys
2017 CA 1.6
2017 CA 1.8
2017 CA 4.6
2017 CA 5.4
2017 CA 5.7
2017 CA 5.9
2017 CA 6.4

Step 7
=====

State: **OH**



Cigarette use is on decline in OH
Compute for another state or enter 'Exit' to exit.

State: **SA**
hmmm... cannot find that state.
Compute for another state or enter 'Exit' to exit.

State: **Exit**
bye bye!