

IBM Developer

SKILLS NETWORK

Second method Find out the upper and lower bounds. Identify how many outliers are there in the ConvertedComp column. lets first find the IQR In [94]: Q1 = df["ConvertedComp"].quantile(0.25)

Create a new dataframe by removing the outliers from the ConvertedComp column. < (Q1 - 1.5 \* IQR)) | (df['ConvertedComp'] > (Q3 + 1.5) Out[100... Respondent MainBranch Hobbyist OpenSourcer OpenSource **Employment Country Student EdLevel UndergradMajor** EduC The quality Computer Tak I am a of OSS and Bachelor's degree science, online co developer **Employed** United 0 4.0 No Never closed No (BA, BS, B.Eng., computer by full-time States source engineering, or program profession software ... sof... or sc The quality Computer Tak I am a Once a of OSS and science, online co developer **Employed** New college/university 9.0 Yes month or closed computer by full-time Zealand study without more often source engineering, or program profession earning ... software ... sof...

Less than OSS is, on Computer I am a once a month average, of Master's degree science, online co developer **Employed** United 2 13.0 Yes but more **HIGHER** (MA, MS, M.Eng., computer by full-time States than once per quality than MBA, etc.) engineering, or program profession sof... pro... or sc 3 NaN Less than The quality Computer I am a once a month of OSS and Bachelor's degree science, online co developer Employed 17.0 but more closed Australia (BA, BS, B.Eng., computer by full-time than once per source engineering, or program profession software ... sof... or sc

Tak

Correlation Finding correlation Find the correlation between Age and all other numerical columns. Respondent CompTotal ConvertedComp WorkWeekHrs CodeRevHrs Age 1.000000 -0.019364 0.010878 -0.015275 0.002980 0.003950 Respondent -0.019364 0.004975 0.017536 0.006371 CompTotal 1.000000 -0.063561

0.034351

1.000000

0.031963

0.037452

\* IQR

-0.088934

0.031963

1.000000

-0.017961

0.401821

0.037452

-0.017961

1.000000

ConvertedComp

WorkWeekHrs

CodeRevHrs

IQR))).sum

0

**Authors** 

Rav Ahuja

Ramesh Sannareddy

**Change Log** 

Other Contributors

50000

Age

0.010878

-0.015275

0.002980

0.003950

-0.063561

0.004975

0.017536

0.006371

150000

100000 ConvertedComp 200000

Date (YYYY-MM-DD) Version

0.1

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2020-10-17

**Changed By** 

**Change Description** 

Ramesh Sannareddy Created initial version of the lab

1.000000

0.034351

-0.088934

0.401821