Term Project Data Jordan Montgomery QMB6358 Due 11/8/2020

Are Emily and Greg More Employable Than Lakisha and Jamal?

Building a regression model to identify resume attributes which correlate to receiving a call from an employer.

Project Scope – UPDATE:

Upon review of the data using Python, I have decided to only use 17 of the 26 exploratory variables for the analysis with 'call' – whether or not the resume garnered a call back – being the dependent variable:

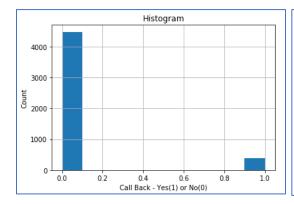
1	name
2	gender
3	ethnicity
4	quality
5	city
6	jobs
7	experience
8	holes
9	computer

10	college
11	minimum
12	equal
13	wanted
14	reqexp
15	reqeduc
16	reqcomp
17	industry

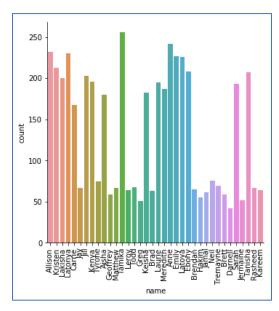
18	honors
19	volunteer
20	military
21	school
22	email
23	special
24	requirements
25	reqcomm
26	reqorg

In the ResumeNames.xlsx file, the data is defined and sorted on the Variable Details tab.

The **Project_Data_-_Analysis.py** file in the repository contains code to display some summary statistics and analysis of the data in Python. Screenshots of the code and charts are below as well:



```
In [11]: ResumeNames.call.describe()
Out[11]:
count
        4870.000000
mean
            0.080493
std
            0.272083
min
            0.000000
25%
            0.000000
50%
            0.000000
75%
            0.000000
            1.000000
max
Name: call, dtype: float64
```



```
# Summary statistics of other exploratory variables
ResumeNames.name.describe()
ResumeNames.gender.describe()
ResumeNames.ethnicity.describe()
ResumeNames.quality.describe()
ResumeNames.city.describe()
ResumeNames.jobs.describe()
ResumeNames.experience.describe()
ResumeNames.holes.describe()
ResumeNames.computer.describe()
ResumeNames.college.describe()
ResumeNames.minimum.describe()
ResumeNames.equal.describe()
ResumeNames.wanted.describe()
ResumeNames.reqexp.describe()
ResumeNames.reqeduc.describe()
ResumeNames.reqcomp.describe()
ResumeNames.industry.describe()
ResumeNames.describe()
```

References

Arel-Bundock, V. (2007). *Vincent Arel-Bundock's Github projects*. Retrieved from R Datasets: https://vincentarelbundock.github.io/Rdatasets/datasets.html