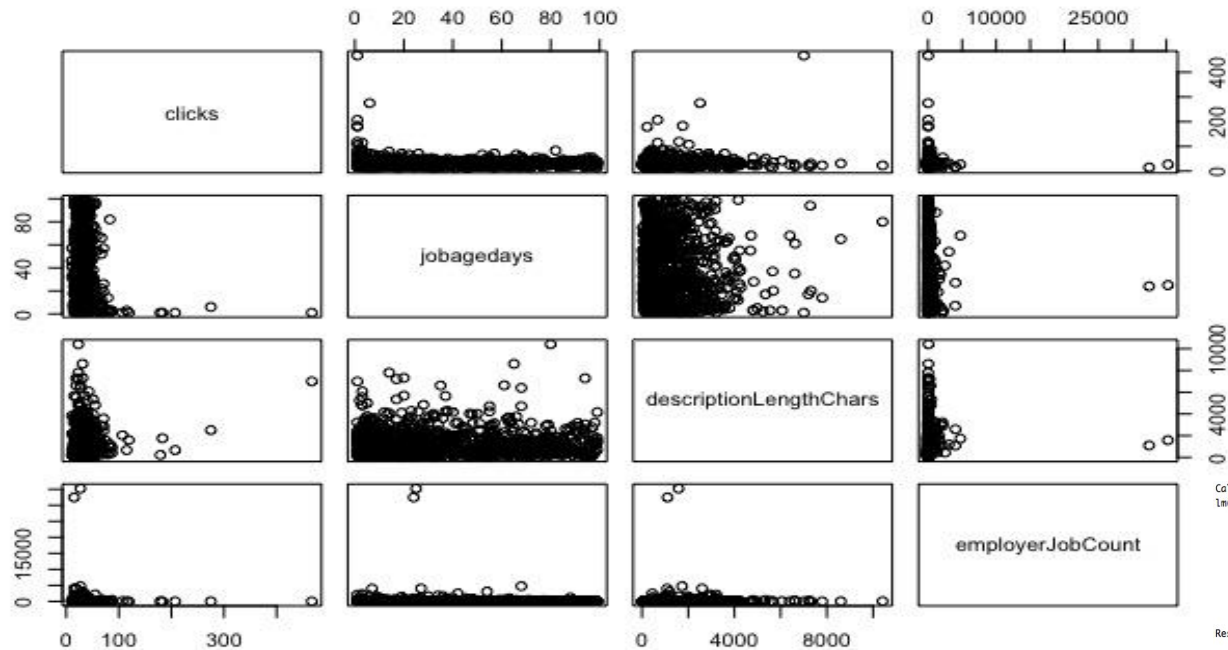


Data out of Data

Presented by: Penta-1

Mount Holyoke College

Holly Hong, Mengyao Xu, Murphy Lu, Xinyue Wang, Younghoo Cho



Adjusted R squared =0.01403

```
Call:
lm(formula = clicks ~ jobagedays + descriptionLengthChars + licenseRequiredJob +
  highSchoolEducationRequirementsJob + higherEducationRequirementsJob +
  employerJobCount + jobagedays:highSchoolEducationRequirementsJob +
  jobagedays:highSchoolEducationRequirementsJob + jobagedays:employerJobCount +
  licenseRequiredJob:employerJobCount + licenseRequiredJob:highSchoolEducationRequirementsJob +
  descriptionLengthChars:highSchoolEducationRequirementsJob +
  licenseRequiredJob:highSchoolEducationRequirementsJob + highSchoolEducationRequirementsJob:employerJobCount,
  data = smalldata1)
```

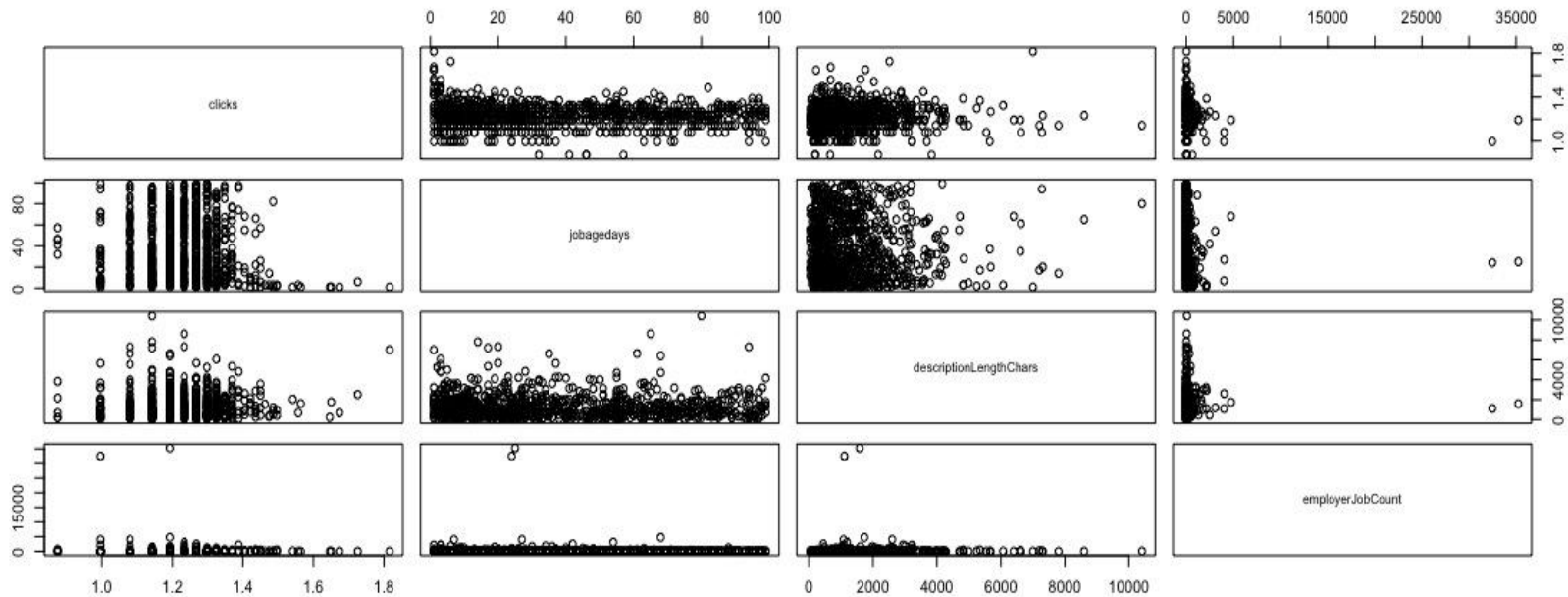
```
Residuals:
    Min       1Q   Median       3Q      Max
-38.49  -10.64   -3.37    4.62   723.47
```

Coefficients: (1 not defined because of singularities)

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	3.808e+01	2.052e+00	18.556	< 2e-16 ***
jobagedays	-1.465e-01	3.730e-02	-3.929	9.13e-05 ***
descriptionLengthChars	1.863e-03	8.521e-04	2.187	0.0290 *
licenseRequiredJob	4.861e+00	2.147e+01	0.226	0.8209
highSchoolEducationRequirementsJob	8.889e+01	4.282e+01	2.076	0.0381 *
higherEducationRequirementsJob	-1.405e+01	2.662e+01	-0.528	0.5980
employerJobCount	-1.344e-03	2.926e-03	-0.459	0.6460
jobagedays:highSchoolEducationRequirementsJob	1.686e-01	7.098e-01	0.238	0.8123
jobagedays:highSchoolEducationRequirementsJob	9.422e-01	1.838e+00	0.513	0.6083
jobagedays:employerJobCount	2.990e-05	1.144e-04	0.262	0.7938
licenseRequiredJob:employerJobCount	-2.459e-02	5.597e-02	-0.439	0.6605
licenseRequiredJob:highSchoolEducationRequirementsJob	-1.703e+01	3.519e+01	-0.484	0.6285
descriptionLengthChars:highSchoolEducationRequirementsJob	-2.878e-02	1.673e-02	-1.720	0.0858 .
licenseRequiredJob:highSchoolEducationRequirementsJob	NA	NA	NA	NA
highSchoolEducationRequirementsJob:employerJobCount	-6.697e-02	4.057e-02	-1.651	0.0991 .

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```
Residual standard error: 32.67 on 986 degrees of freedom
Multiple R-squared: 0.02686, Adjusted R-squared: 0.01403
F-statistic: 2.893 on 13 and 986 DF, p-value: 0.01246
```



Log smalldata3 plots

job clicks in the states

