PLOTS OF EARNINGS VS. ALL ATTRIBUTES

- Looks like there's clear stratification for Majors
- Most interesting is the clear quadratic relationship in Earnings vs Professional Connections... we'll come back to that
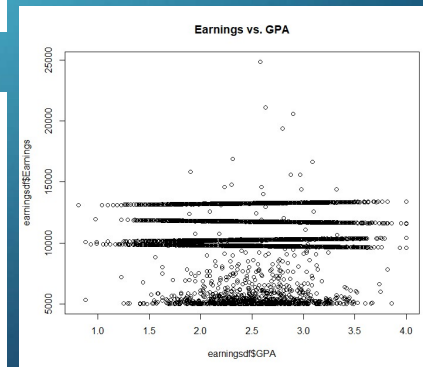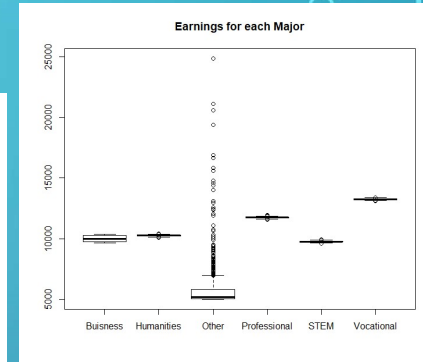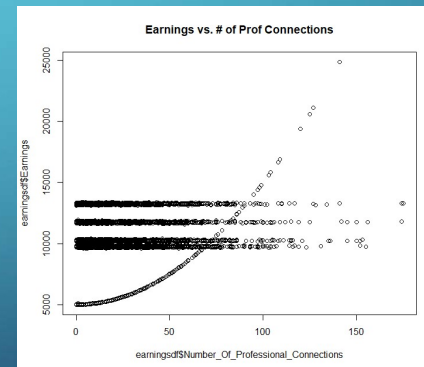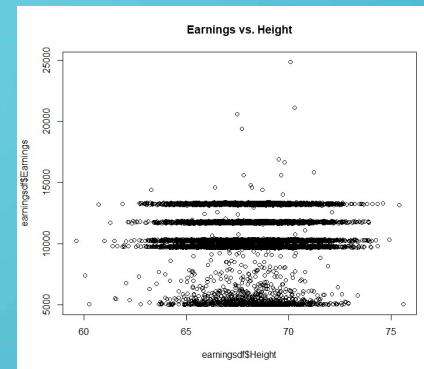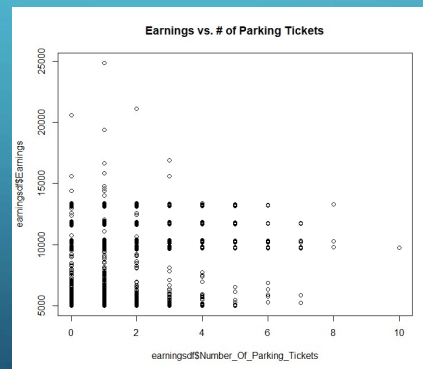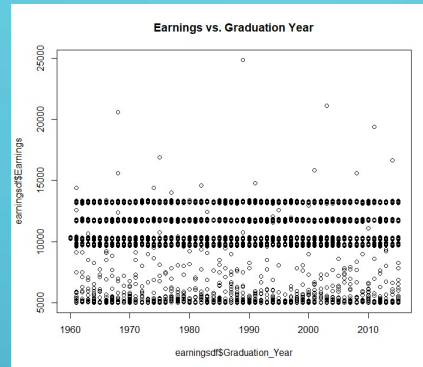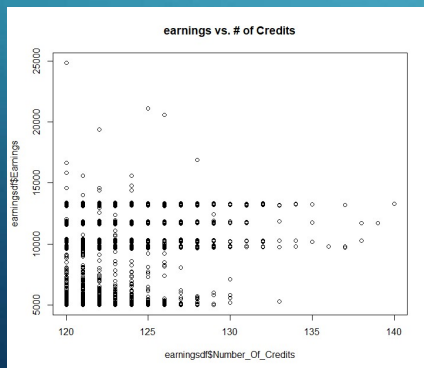
PLOTS FOR BUSINESS MAJORS

- There's definitely something going on here.. All the plots are split!
- Let's investigate earnings vs. grad year more closely

Earnings vs. Grad year for Business

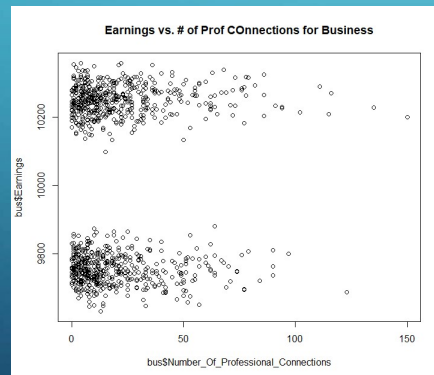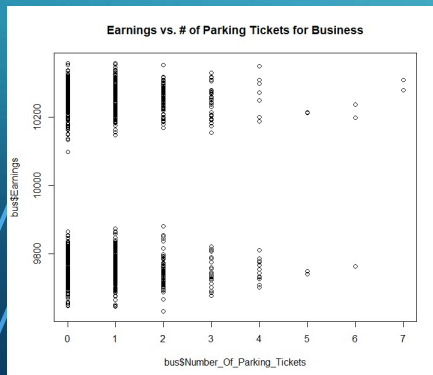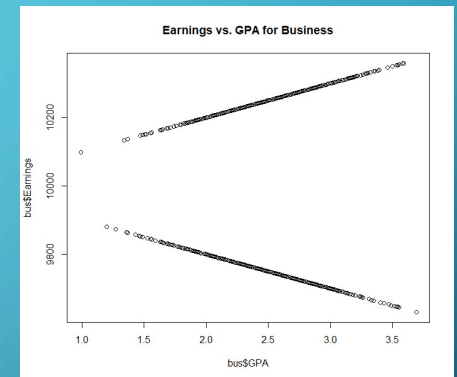Earnings vs. GPA for Business

Earnings vs. # of Parking Tickets for Business

Earnings vs. # of Prof COnnections for Business

Earnings vs. Height for Business

Earnings vs. # of Credits for Business
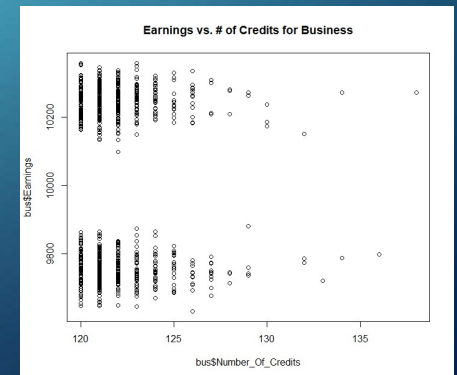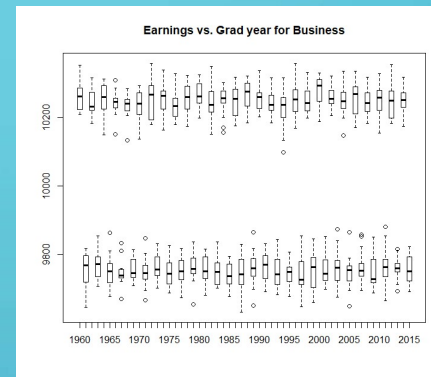
PLOTS FOR BUSINESS MAJORS (CONTINUED)
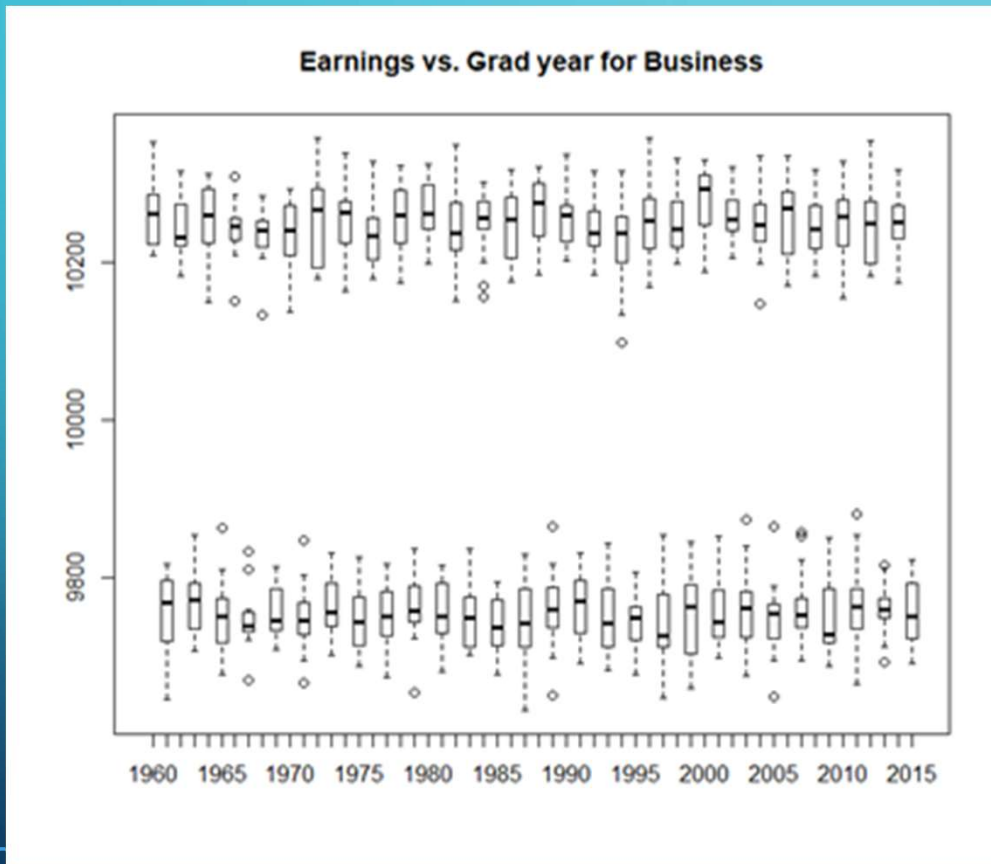

Earnings vs. Grad year for Business

- If you look closely, it seems all the higher boxes are for even years, and all the low boxes are for the odd years…
- How interesting! Let's hold on to that for when we build our model

PLOTS FOR HUMANITIES MAJORS

- Looks like the only important attribute for humanities majors is GPA
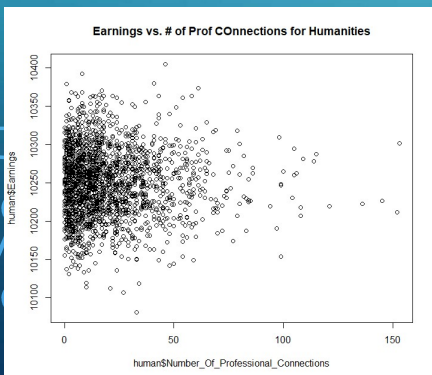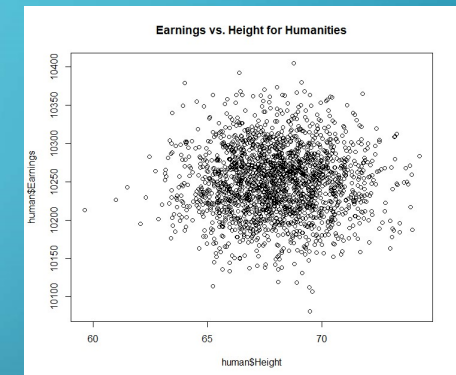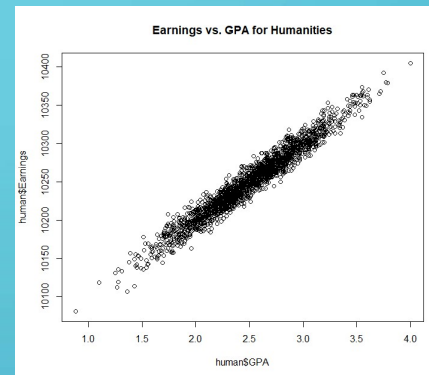- It's almost a perfect linear relationship!
- We will use this in our model later

Earnings vs. GPA for Humanities

Earnings vs. Height for Humanities

Earnings vs. # of Prof COnnections for Humanities

Earnings vs. # of Parking Tickets for Humanities

Earnings vs. Grad year for Humanities

Earnings vs. # of Credits for Humanities
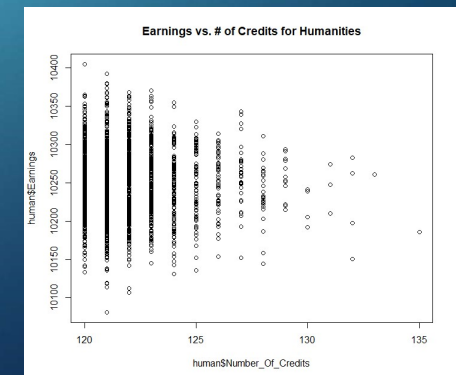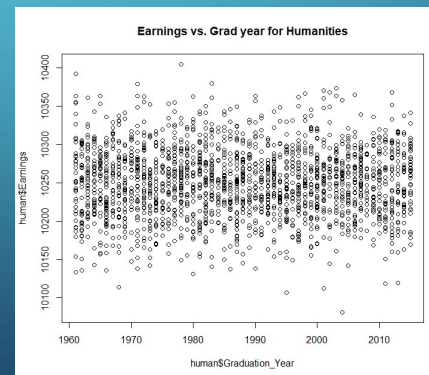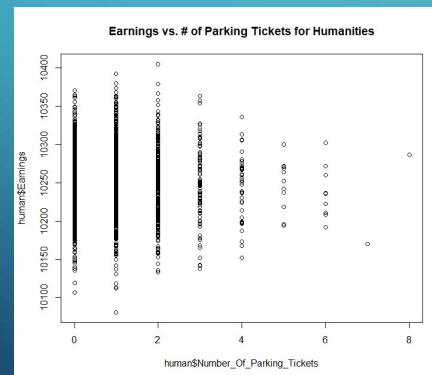
PLOTS FOR OTHER MAJORS

- There's the mysterious quadratic relationship!
- Number of Professional Connections is definitely the most important attribute for other majors
- Let's investigate further

Earnings vs. # of Prof Connections for Other

Earnings vs. # of Credits for Other

Earnings vs. GPA for Other

Earnings vs. # of Parkings Tickets for Other

Earnings vs. Height for Other

Earnings vs. Grad Year for Other
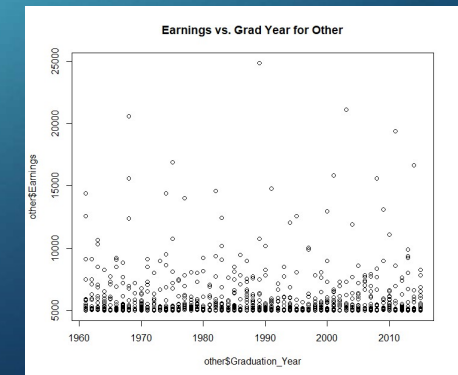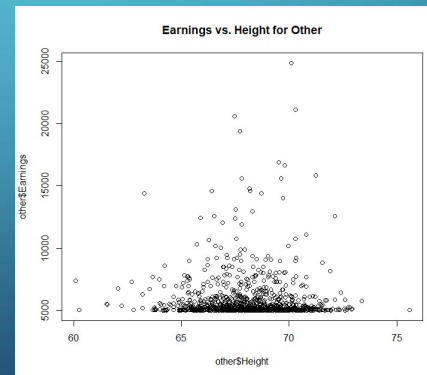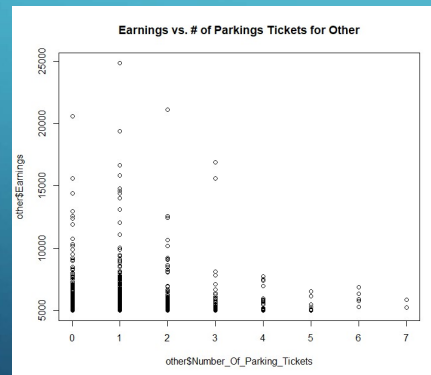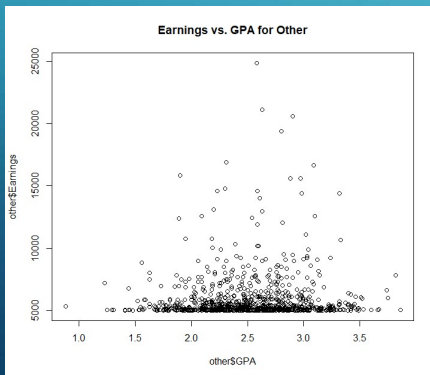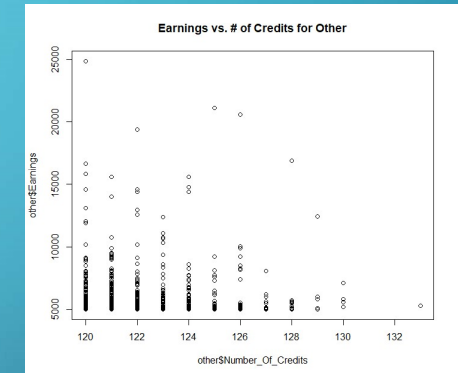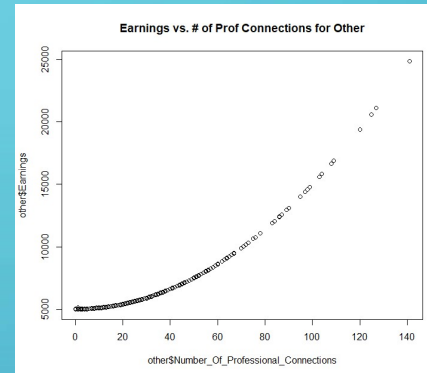
PLOTS FOR OTHER MAJORS (CONTINUED)

- Let's try transforming the data

- How about squaring number of professional connections?

- It's a practically perfect linear relationship!

- We'll save this for our model later

Earnings vs. Squared Prof Connections for Other
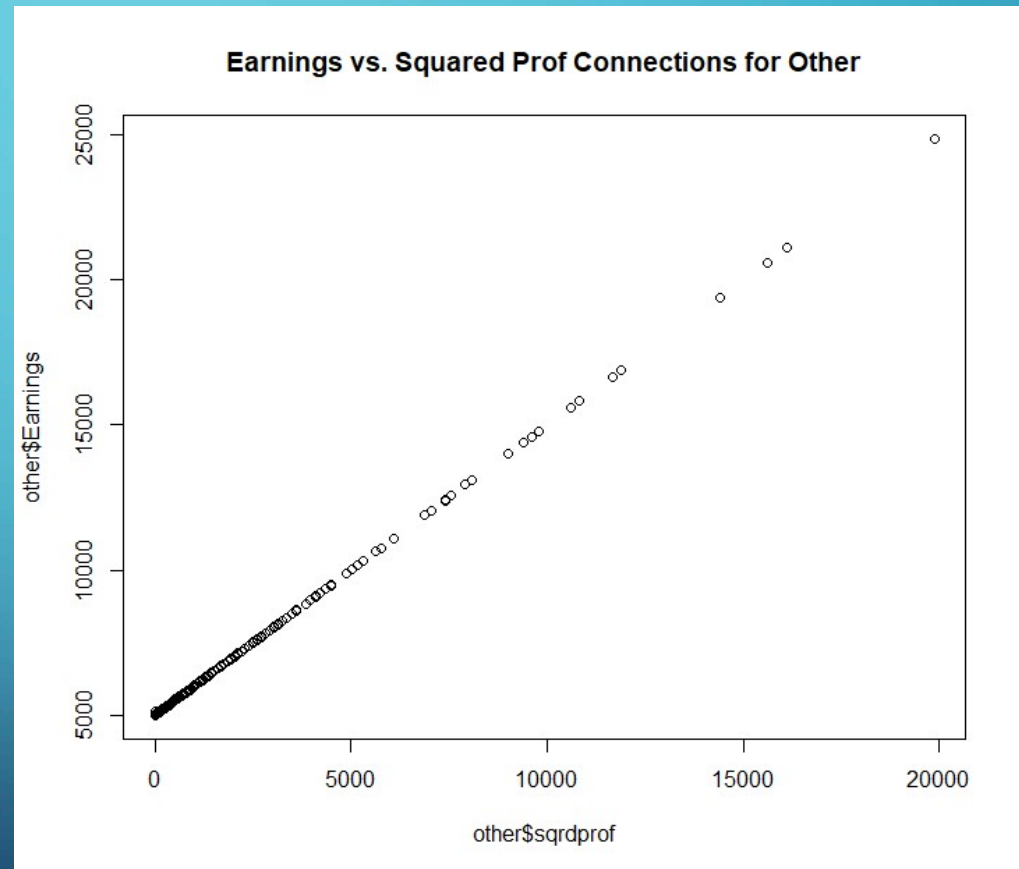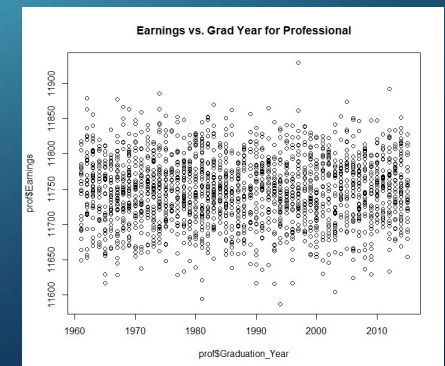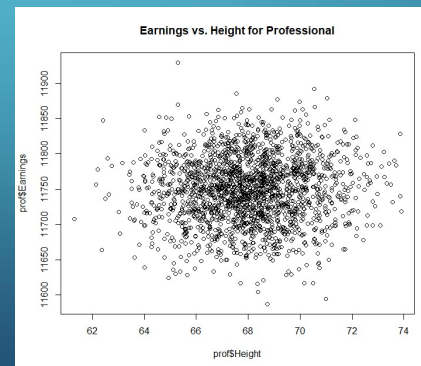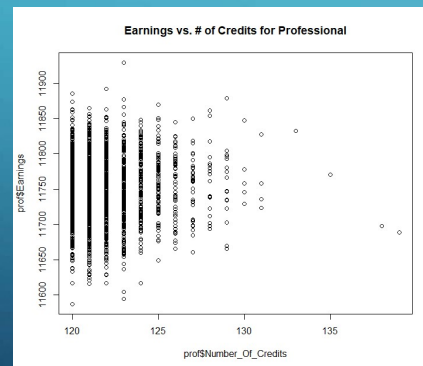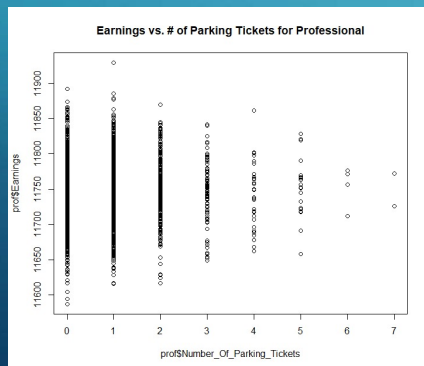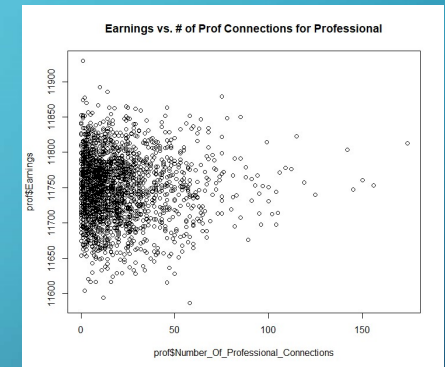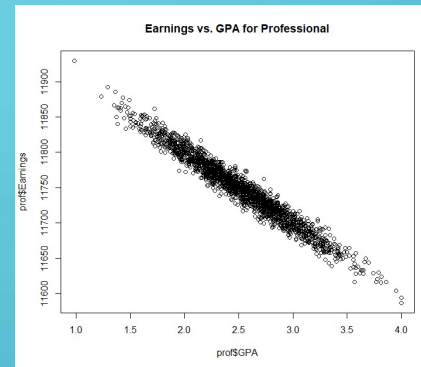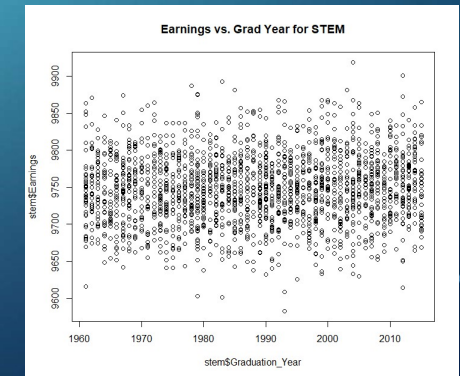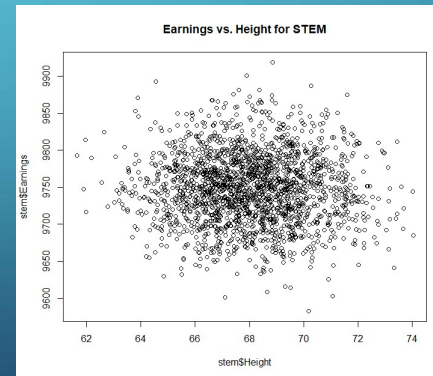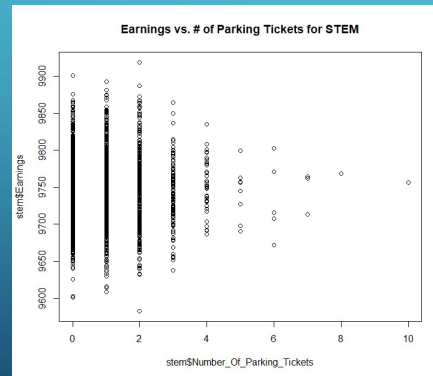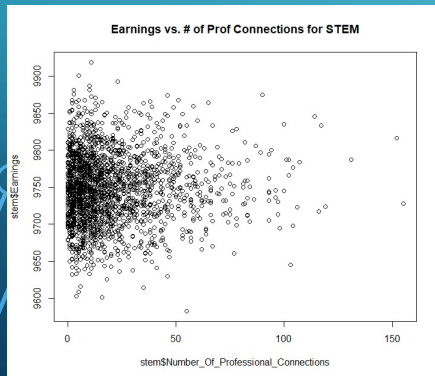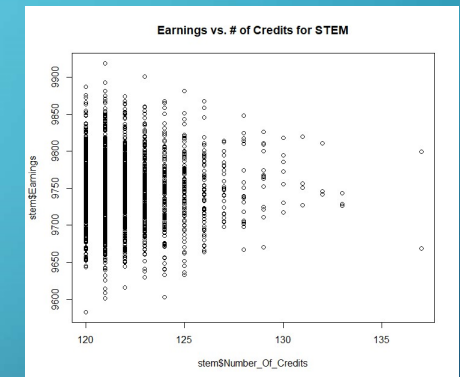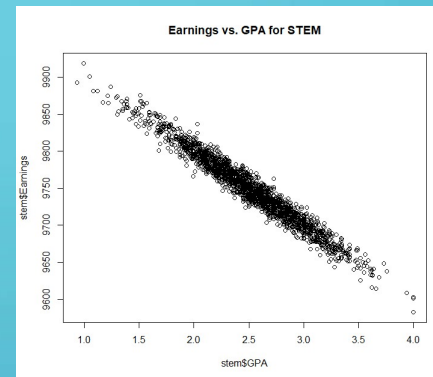
PLOTS FOR PROFESSIONAL MAJORS

- Looks like the only important for professional majors is GPA
- There is an almost perfect indirect linear relationship
- We will use this in the model later

PLOTS FOR STEM MAJORS

- Looks like the only important attribute for STEM majors is GPA
- There is a clear indirect linear relationship between earnings and GPA
- We will use this for our model later

PLOTS FOR VOCATIONAL MAJORS

- Once again, the only important factor for vocational majors is GPA
- There is a clear direct linear relationship
- We will use this in the model later

Earnings vs. GPA for Vocational

Earnings vs. # of Credits for Vocational

Earnings vs. # of Prof Connections for Vocational

Earnings vs. # of Parking Tickets for Vocational

Earnings vs. Height for Vocational

Earnings vs. Grad Year for Vocational