

# **Wages of Males**

Regression Project 1

Ryan Tuck

# Data

Wages and socio-economic data for 545 males  
from 1980 - 1987.

# Data

## Categories

- ethnicity
- industry
- occupation
- location

## Booleans

- union?
- married?
- health issue?

## Variables

- wage
- year
- education
- experience

# Mean wages

## Occupation

1.620	Clerical_and_kindred
1.712	Craftsmen, Foremen_and_kindred
1.266	Farm_Laborers_and_Foreman
1.526	Laborers_and_farmers
1.794	Managers, Officials_and_Proprietors
1.616	Operatives_and_kindred
1.848	Professional, Technical_and_kindred
1.721	Sales_Workers
1.440	Service_Workers

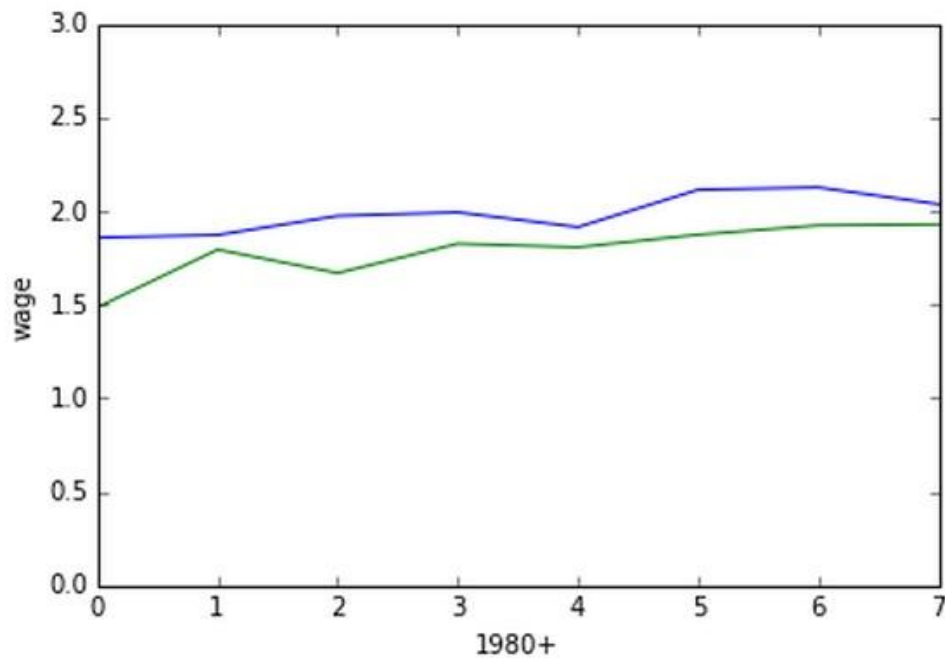
## Industry

1.307	Agricultural
1.657	Business_and_Repair_Service
1.623	Construction
1.185	Entertainment
1.880	Finance
1.778	Manufacturing
1.918	Mining
1.550	Personal_Service
1.532	Professional_and_Related_Service
1.782	Public_Administration
1.499	Trade
1.888	Transportation

**Examples?**

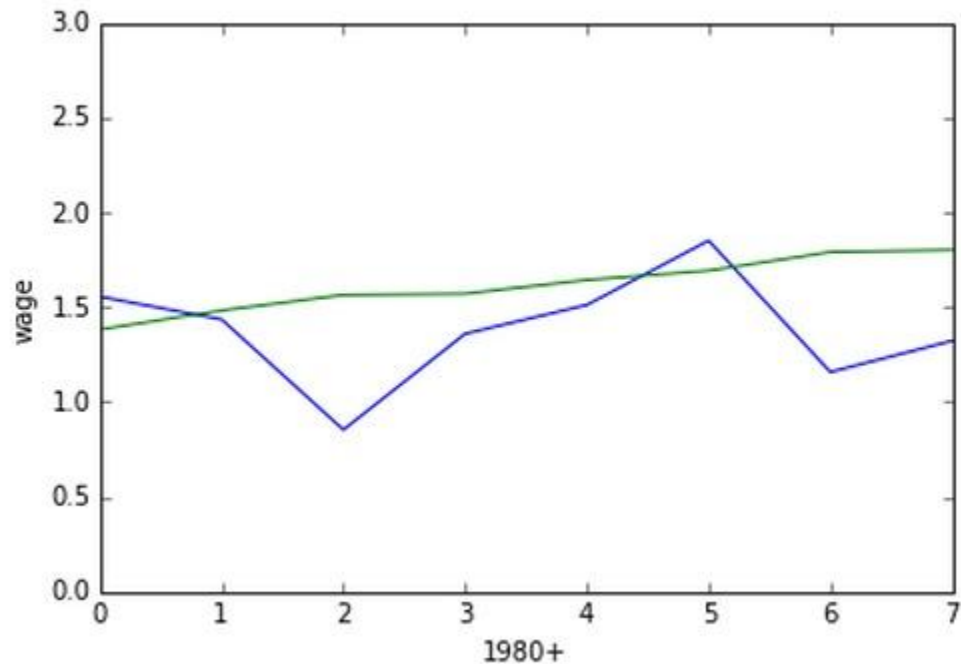
# Transportation Unions

```
In [78]: generateGraph('industry', 'Transportation', 'union', 'year', 'wage')
```



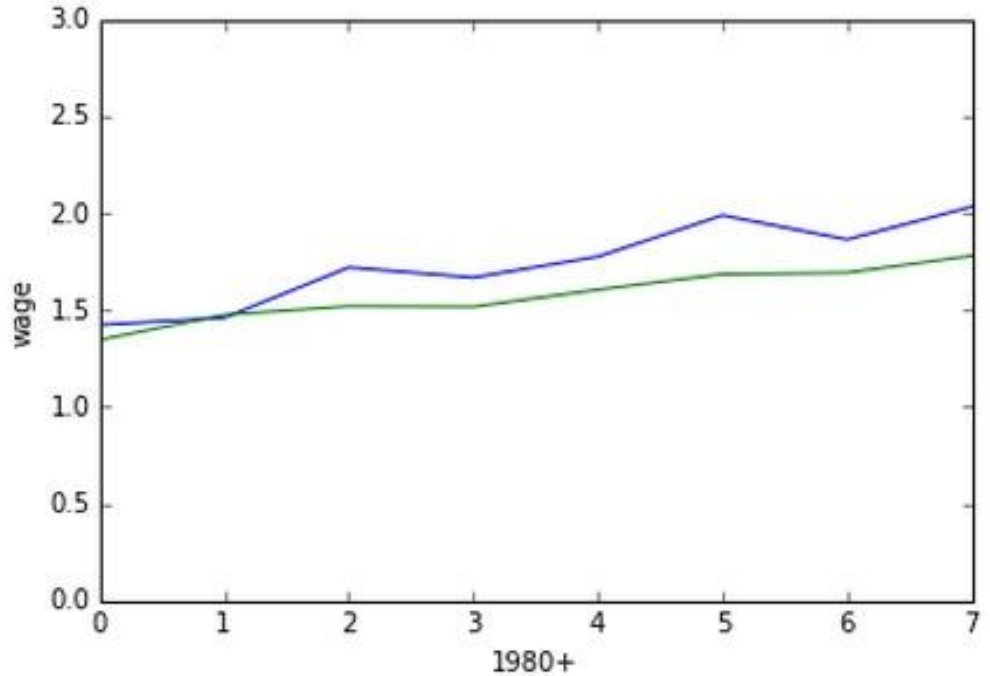
# Healthy Southerners?

```
generateGraph('residence','south','health','year','wage')
```



# Married hispanics?

```
generateGraph('ethn','hisp','union','year','wage')
```





# Wage(years in school)

```
In [103]: plt.scatter(sWages['school'],sWages['wage'])
```

```
Out[103]: <matplotlib.collections.PathCollection at 0x
```

