

Exploratory Data Analysis

US Bank Wages

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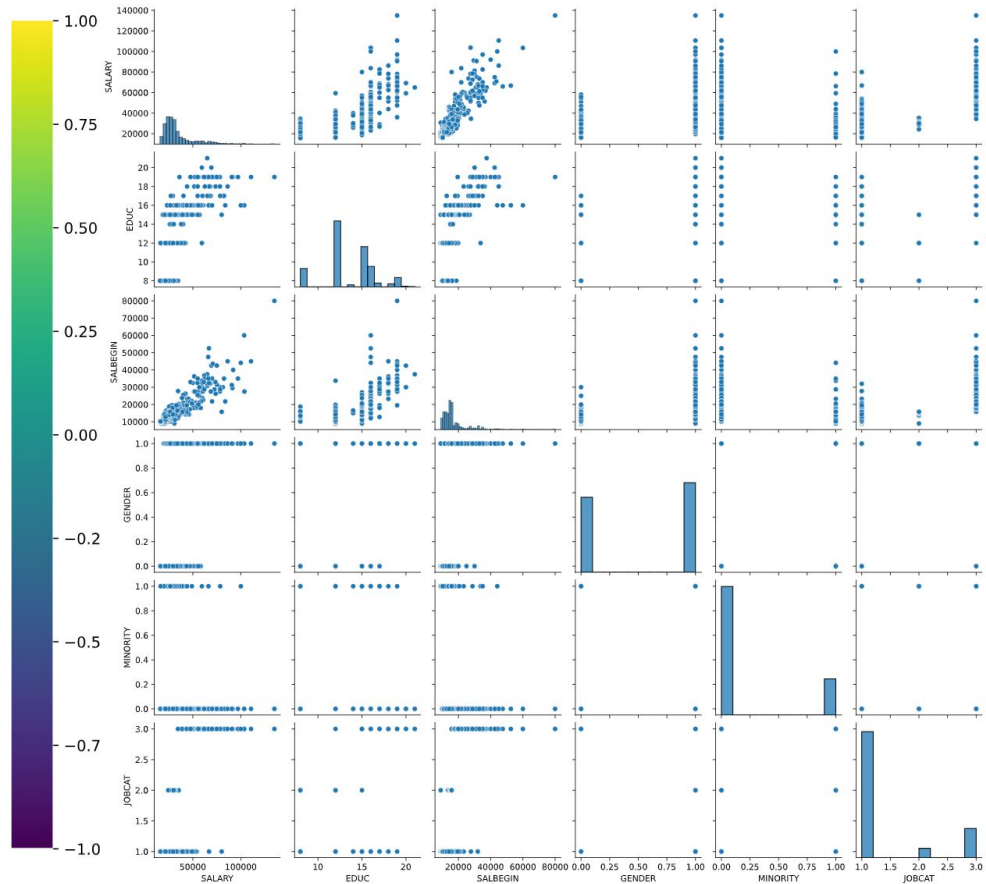
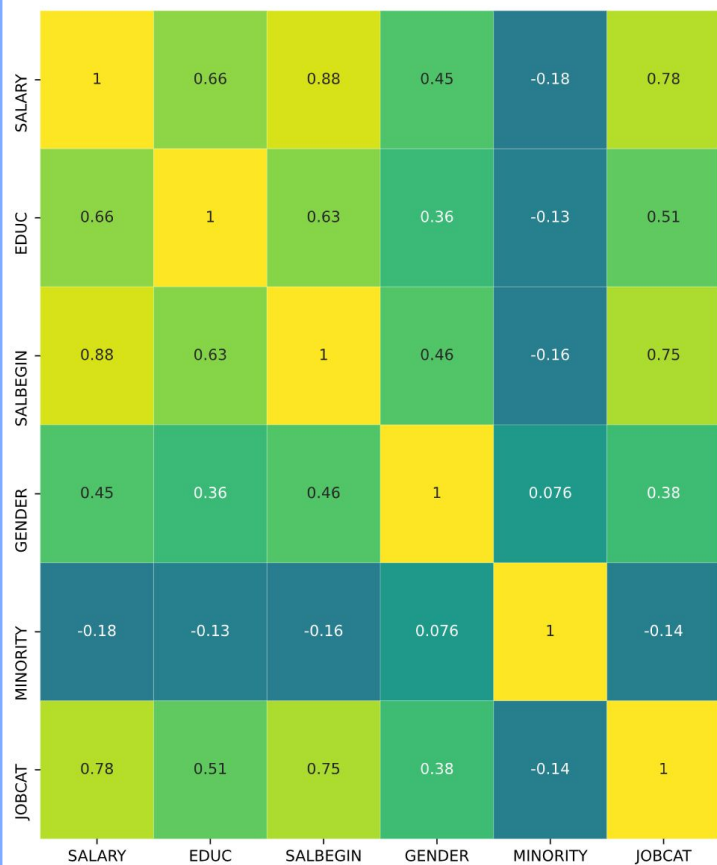
1 - The Dataset

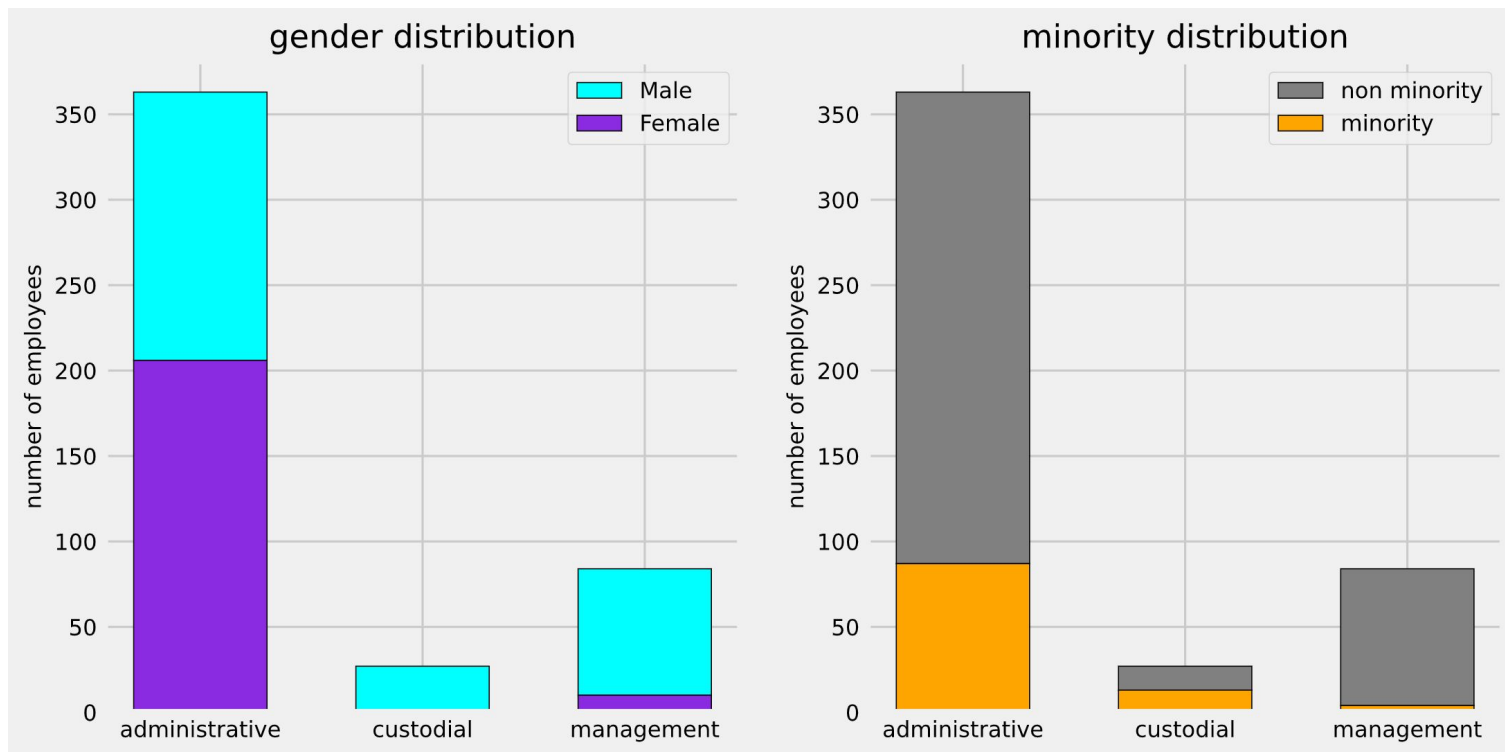
What is inside?

| SALARY | EDUC | SALBEGIN | GENDER | MINORITY | JOB CAT |
|---------------|-------------|-----------------|---------------|-----------------|----------------|
| 57000 | 15 | 27000 | 1 | 0 | 3 |
| 40200 | 16 | 18750 | 1 | 0 | 1 |
| 21450 | 12 | 12000 | 0 | 0 | 1 |
| 21900 | 8 | 13200 | 0 | 0 | 1 |
| 45000 | 15 | 21000 | 1 | 0 | 1 |

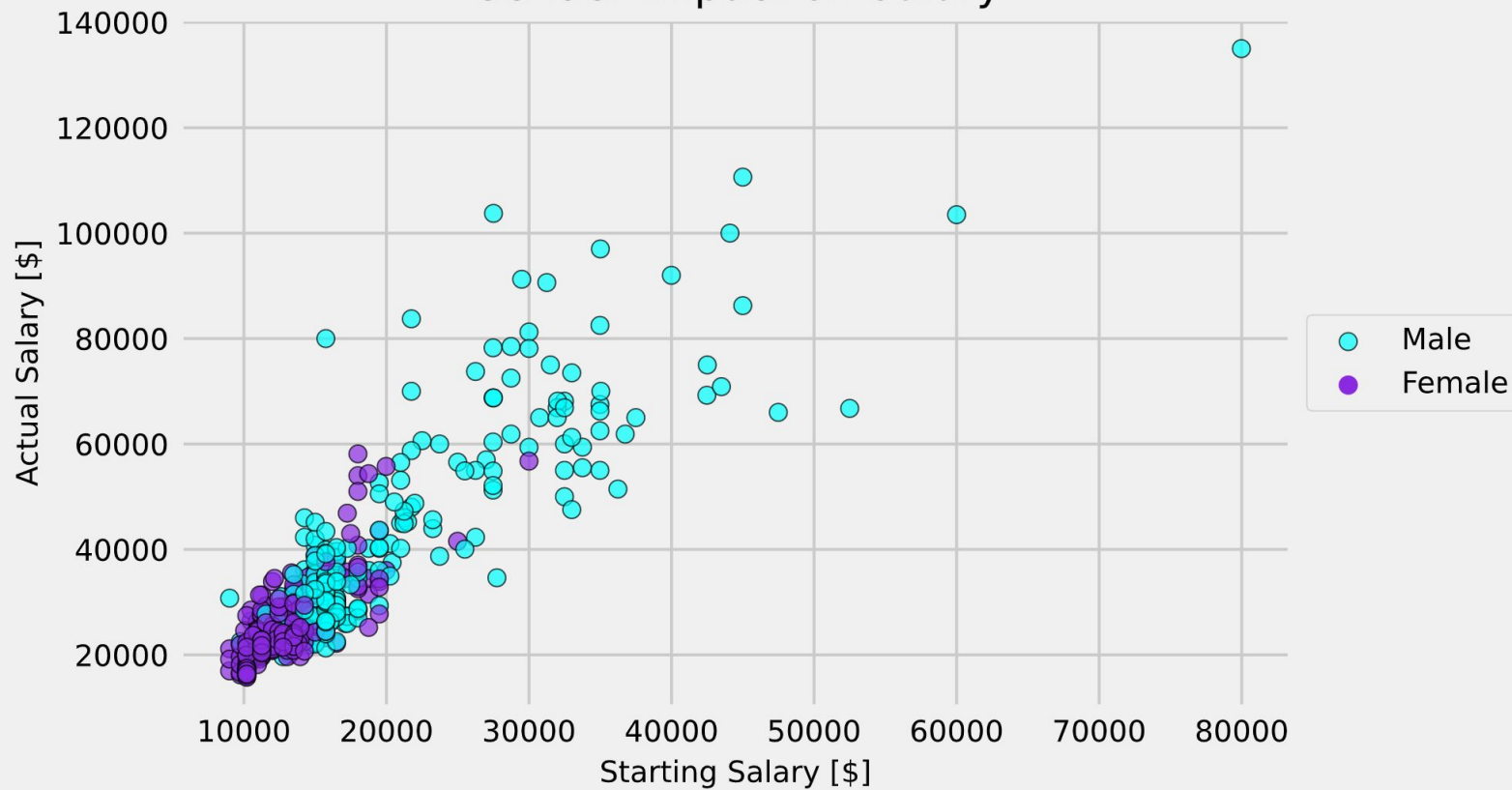
| | SALARY | EDUC | SALBEGIN |
|--------------|---------------|-------------|-----------------|
| count | 474.000000 | 474.000000 | 474.000000 |
| mean | 34419.567511 | 13.491561 | 17016.086498 |
| std | 17075.661465 | 2.884846 | 7870.638154 |
| min | 15750.000000 | 8.000000 | 9000.000000 |
| 25% | 24000.000000 | 12.000000 | 12487.500000 |
| 50% | 28875.000000 | 12.000000 | 15000.000000 |
| 75% | 36937.500000 | 15.000000 | 17490.000000 |
| max | 135000.000000 | 21.000000 | 79980.000000 |

2 - Data Analysis

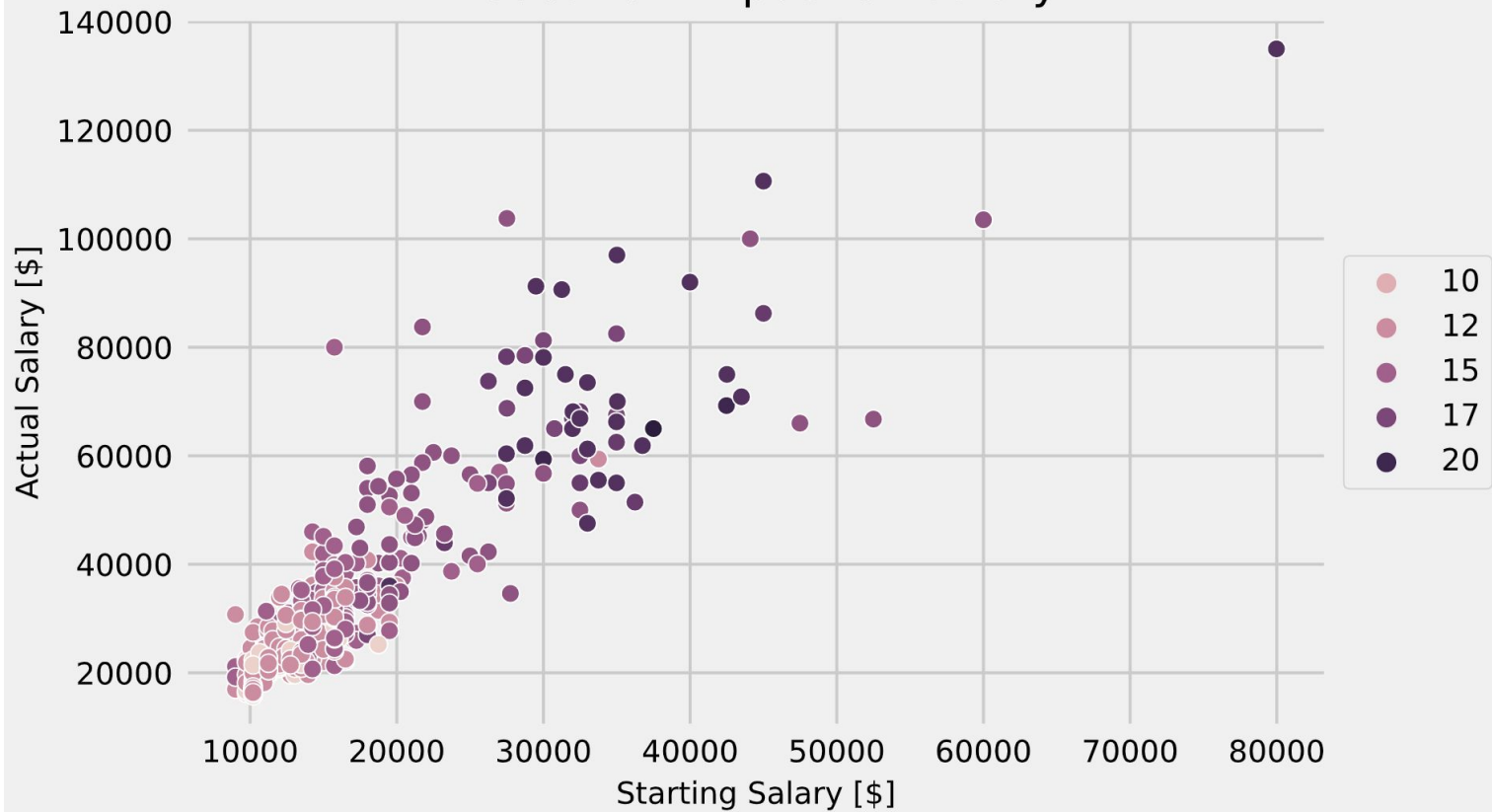


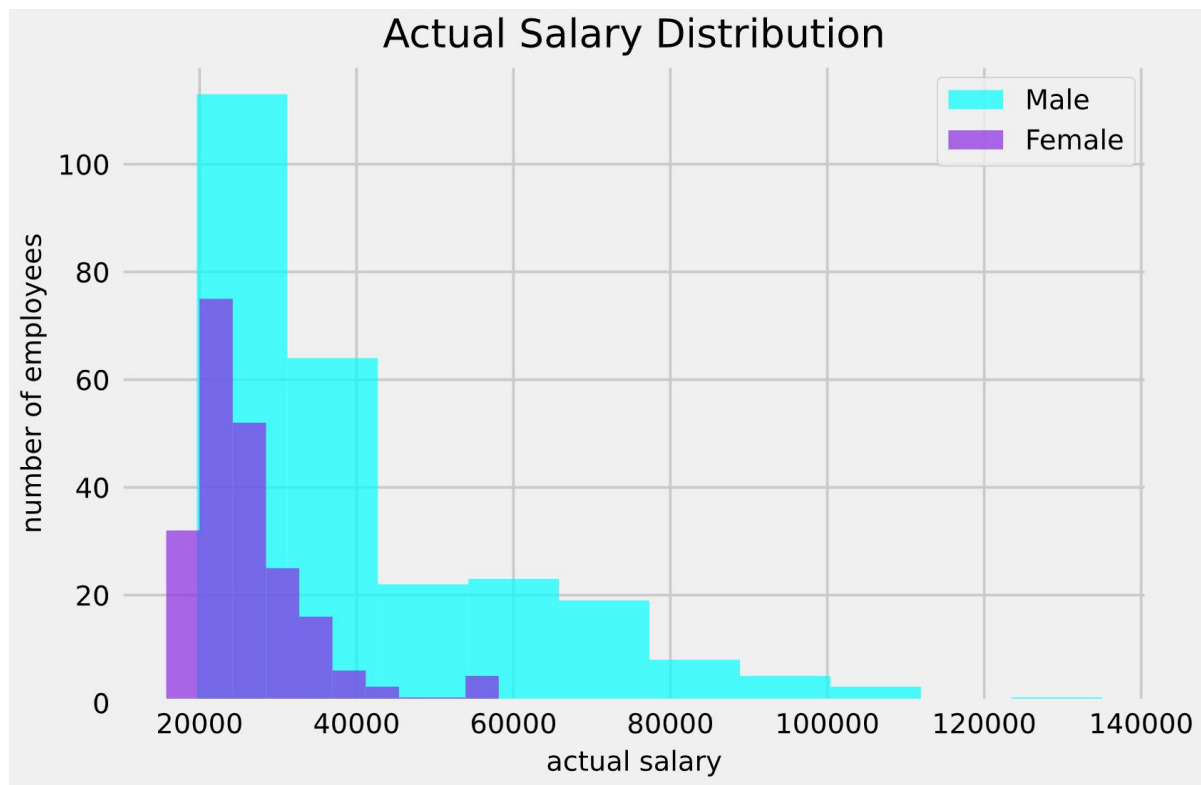


Gender Impact on Salary

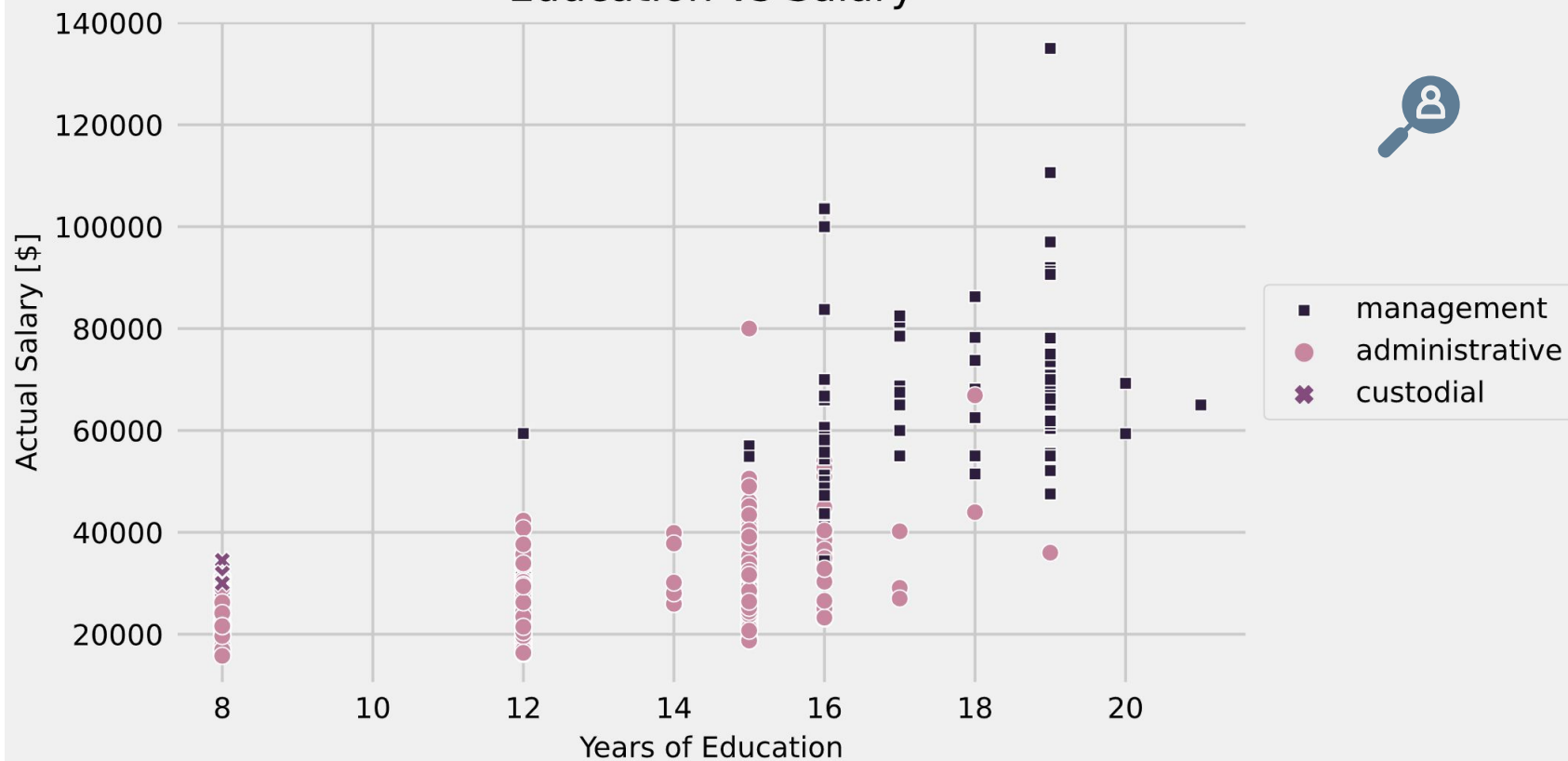


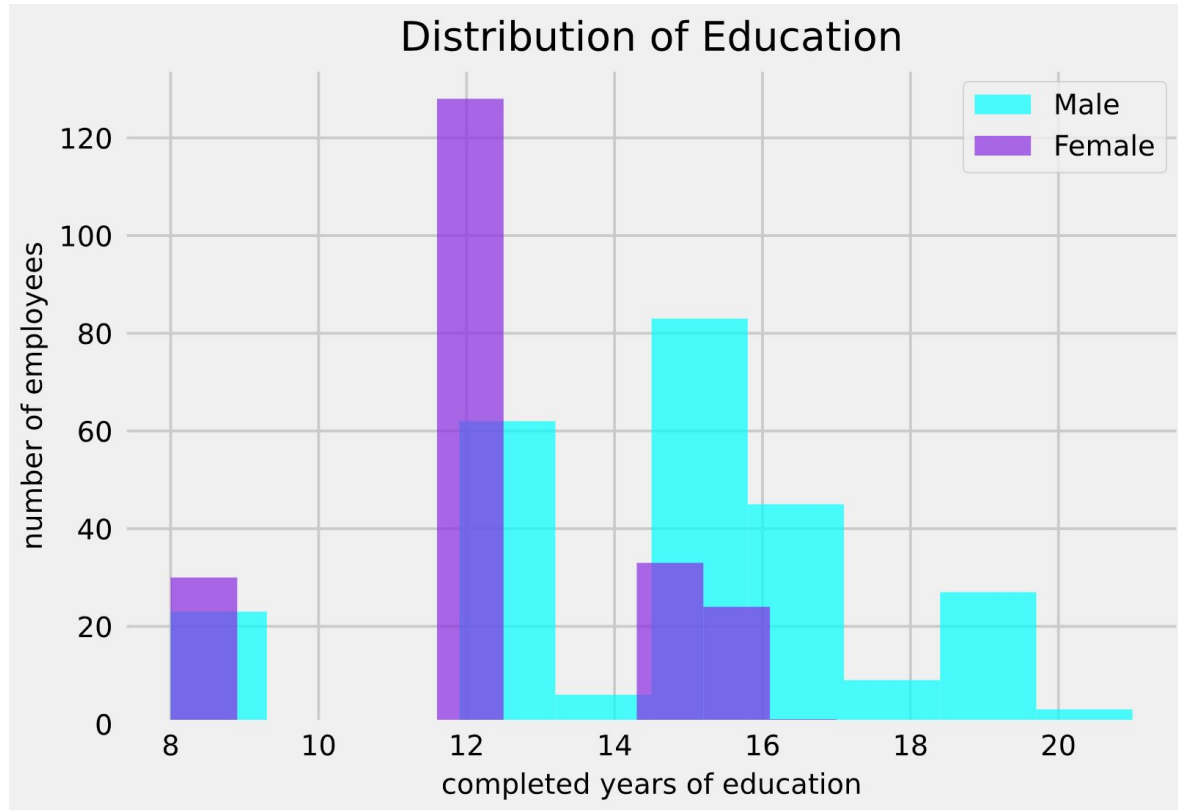
Education Impact on Salary

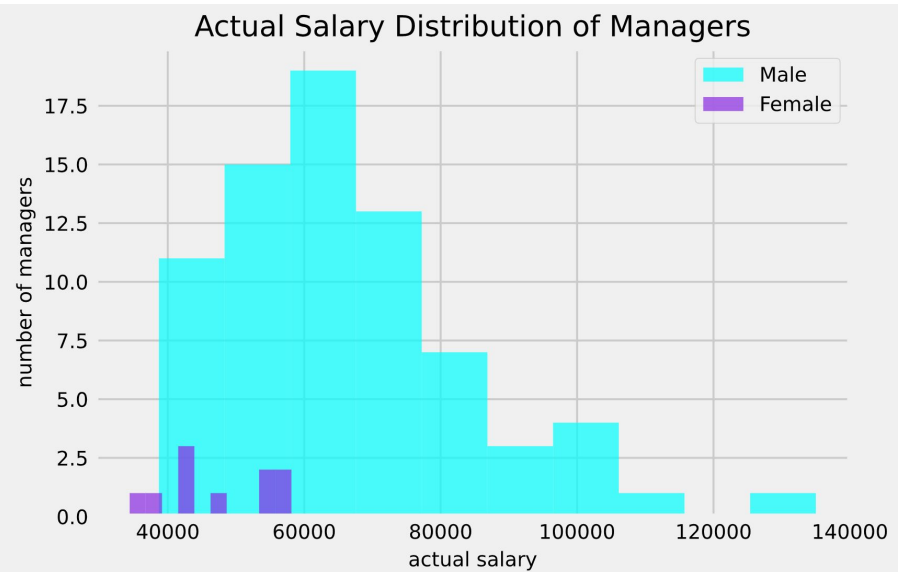
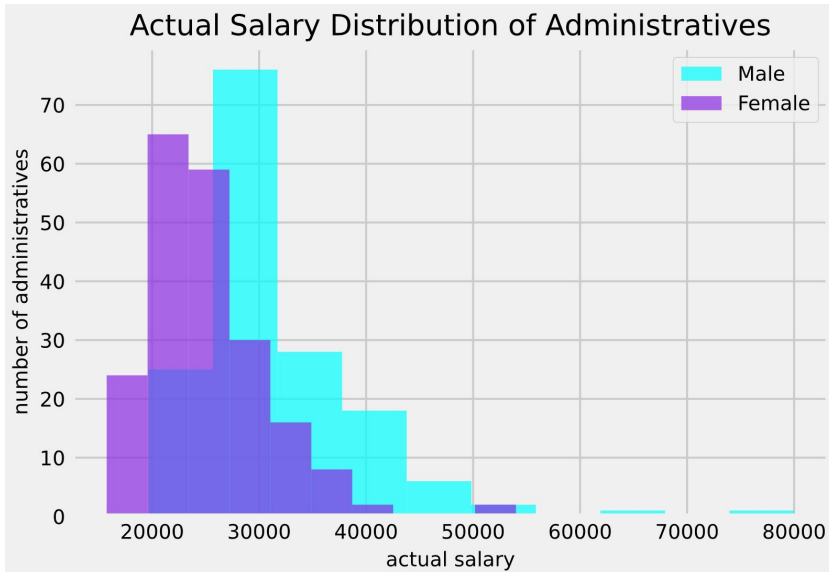




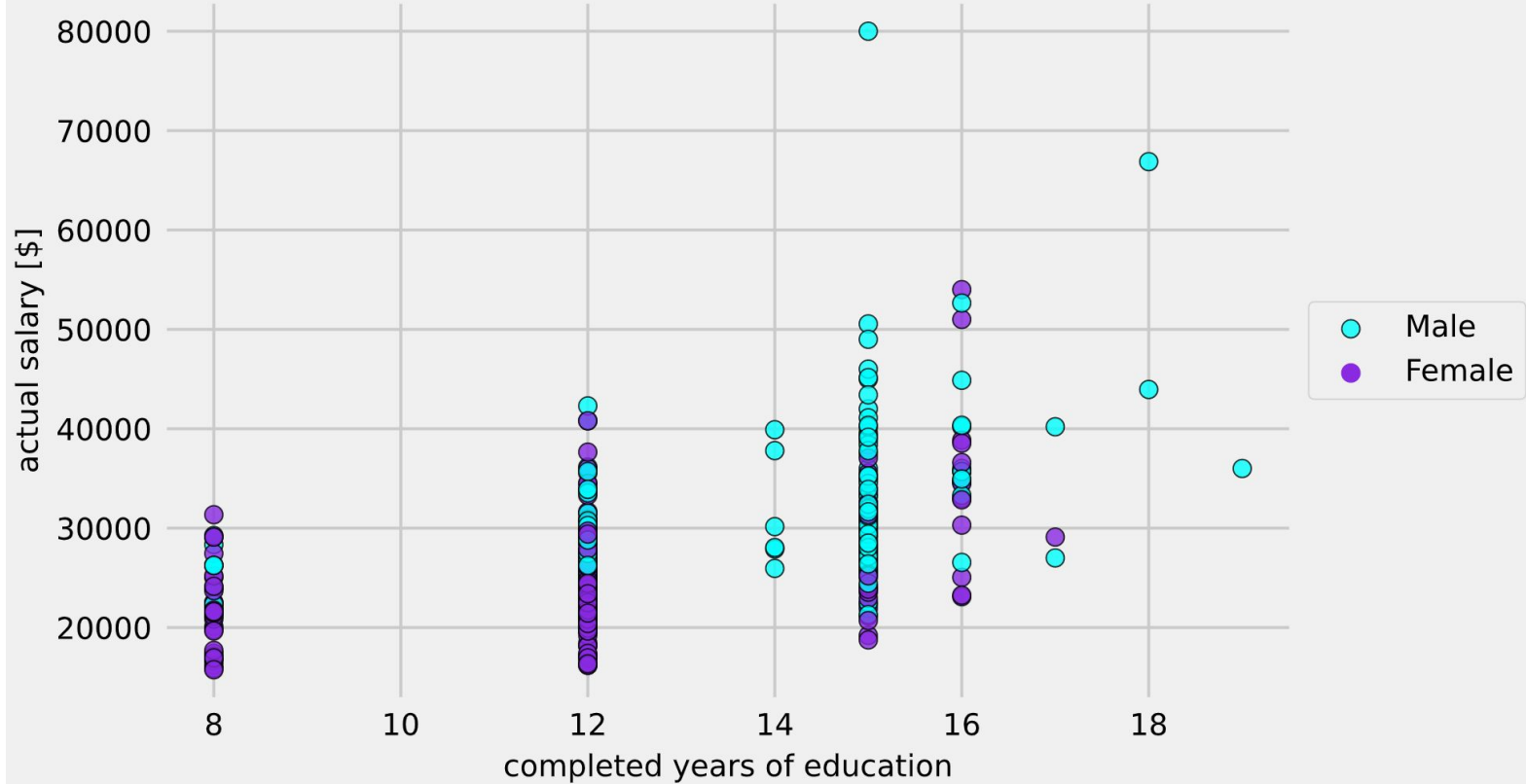
Education vs Salary





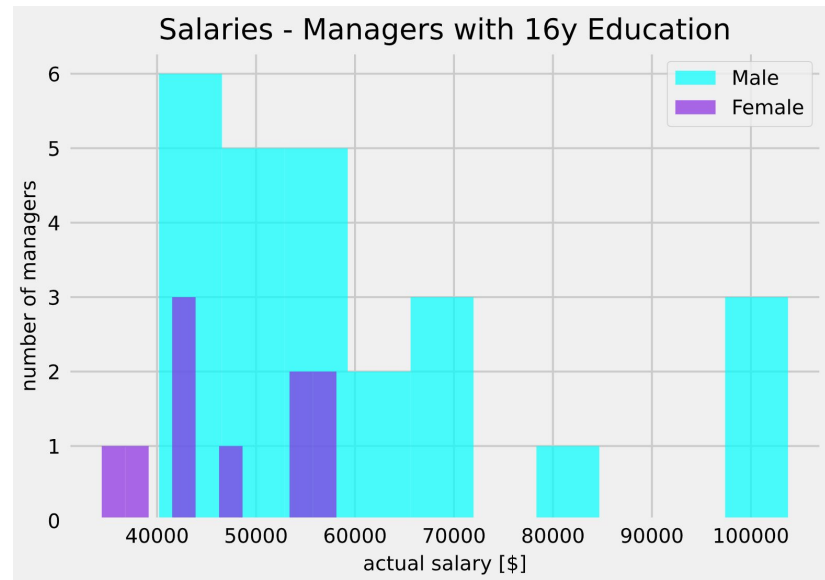
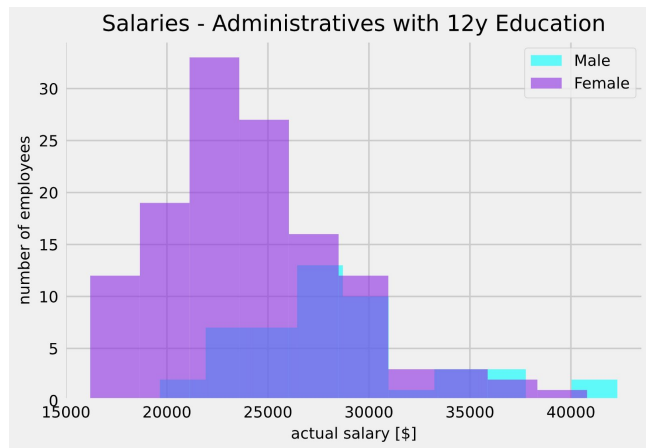
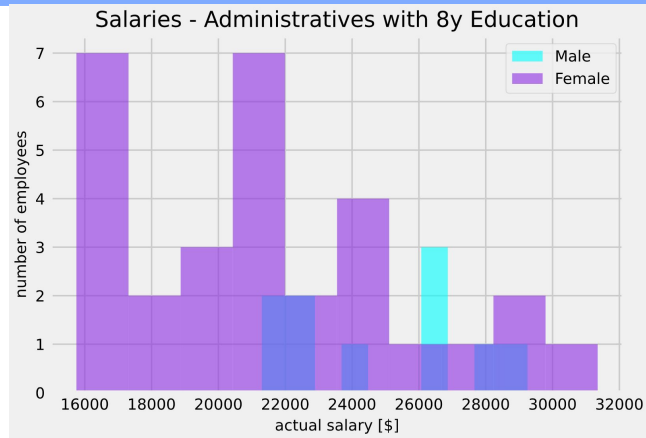


Administratives Education vs Salaries



Management Education vs Salaries





3 - Insights

Insights



wide salary ranges for higher education level



male employees dominant at top education and salary level



salary for same education seems biased

Thanks!

Any questions?