| 9 Empl | nuce AH | rition! | Prediction | |
|------------|-----------|---------|--|---------------------|
| | • | 117011 | The state of the s | |
| EmployeeID | Tablale | Salary | Job Sotisfaction | 2 |
| Jak | Oovhole | Surry | | Attition (Yalko) |
| 1 | Manager | DA | (1-10) | (Ya) No) |
| 2 | Manager | 80 | 8 | No |
| 3 | Developes | 60 | <u> </u> | Yes |
| 4 | Analys? | 50 | + | No |
| 5 | Developer | 65 | | Yes |
| 6 | Manager | 90 | 9 | No |
| 7 . | Analyst | 55 | 4 | Yel |
| 8 | Developer | 70 | , s & | No |
| 9 | Manager | 85 | 7 | No |
| 10 | Analyst | 45 | 3 | Ye |
| 11 | Developer | 75 | 9 | No |
| 12 | Manager | 95 | 10 | No |
| 17 | Analys 1 | 40 | 2 | <u> </u> |
| 13 | Developer | 55 | 6 | 44 |
| 14 | Manages | 88 | 8 | No |
| 15 | Analyst. | 52 | 5 | 40 |
| 16 | Developer | 68 | 7 | No |
| 17 | Manager | 82 | 6 | Vo |
| 18 | Analyst | 48 | 4 | 100 Yu |
| 19 | Developer | 72 | 8 | No |
| 20 | Manager | 92 | 9 | 100 |
| | | | | 100 |

2 Conditional Probability:

$$= 3 = 0.50(5.0\%)$$

$$P(110) = 3 = 0.15 = 15\% : 3000$$

(b) P (employee & dnalyst and has not left company)

$$\frac{1}{20} = \frac{1}{20} = \frac{5\%}{20}$$

(a) P (émployée has left given salary < 4 60K).

$$\frac{=5}{7} = \frac{71.4\%}{1.4\%}$$

(b) Plemployer has left given they are not a Manager)

ate the William beginning to a second the

9 ntcupretation

highert attrition rate

-Manager = 3 = 33.3%

- Developer = 3 = 50.0% ibis

h Overall cutrition rate vs. attrition for low pop satisfaction

(
5)

Overall Athrition: 10 = 5:090

- Job satisfaction 55: 100%

Demployers with low got suffiction (55)

haviera! much thigher attition reder (100%) compared to the overall 50%

| 3 Reevaluate saluire for Lower puidemployees |
|--|
| |
| employers earning less than \$ 60k experience a high attrition rate (714%) |
| attrition rate (714%) |
| |
| => salary review |
| => Incintiva & pinctits. |
| |
| 1. Developers à analysts have a 63.6% attrition rate |
| Les dans line and an alle silvers |
| => focus on there roles. |
| |
| 5. Overall retention rate i 50% |
| |
| => company's work environment is not good a full |
| thorough research Is required to address |
| their occurs |

X