

# Assignment-5

Problem statement: Make 10 hypothesis of the attrition problem

Statement 1:

Null hypothesis: most of the employees who have left the company are above age of 40

Alternative hypothesis: most of the employees who have left the company are below age of 40

Statement 2

Null hypothesis: Most of the employees who have left are males

Alternative hypothesis: Most of the employees who have left are not males

Statement 3:

Null hypothesis: employees who travel frequently leaves the company

Alternative hypothesis: employees who does not travel frequently leaves the company

Statement 4:

Null hypothesis: employees who has the current manager for more than 5 years leave the company

Alternative hypothesis: employees who has the current manager for less than 5 years leave the company

Statement 5:

Null hypothesis: employee who has 11% salary hike leaves the company

Alternative hypothesis: employee who has 11% salary hike does not leave the company

Statement 6:

Null hypothesis: employees who are married leave the company

Alternative hypothesis: employees who are married do not leave the company

Statement 7:

Null hypothesis: employees whose salary is less than 50000 leaves the company

Alternative hypothesis: employees whose salary is less than 50000 does not leave the company

Statement 8:

Null hypothesis: employees who have not worked in any companies before leave the company

Alternative hypothesis: employees who have not worked in any companies before don't leave the company

Statement 9:

Null hypothesis: employees after working 5 or more years leave the company

Alternative hypothesis: employees after working 5 or more years don't leave the company

Statement 10:

Null hypothesis: employees with education field of life sciences leave the company

Alternative hypothesis: employees with education field of life sciences don't leave the company

