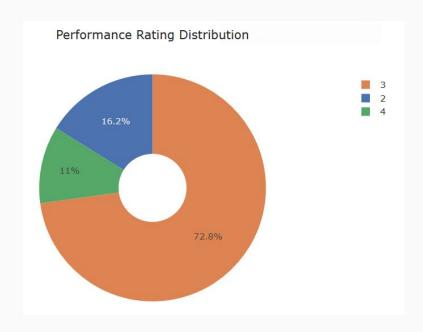
Gaurav Kumar

### **Data Distribution**





Most of the people goes with mean rating of 3

Dataset is small with only 1200 rows, thus it becomes important to study categorical features statistically

### Summary of suggestions [Refer next slides for explanations]

Not holding Current Position for longer time

Change of Manager after 5-6 years

There is something positive to learn from development dept where most of the developers work

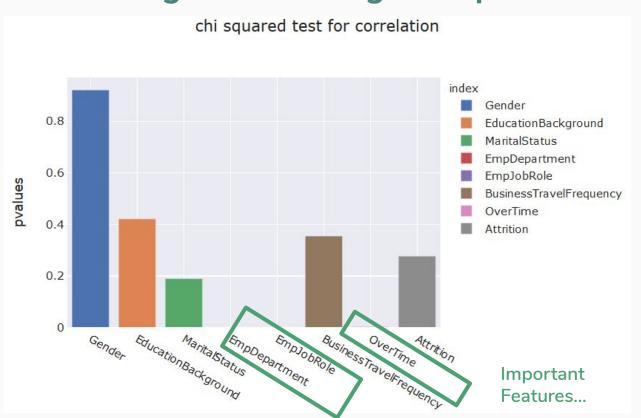
Work on Environment Satisfaction improvement

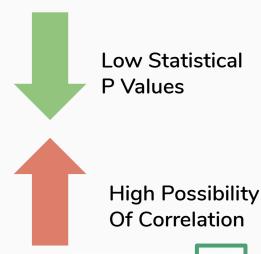
Reduce Overtime

Work from home to cater long distance employee / Another office space to cater to left out portion of city

# **Important** Categorical Features

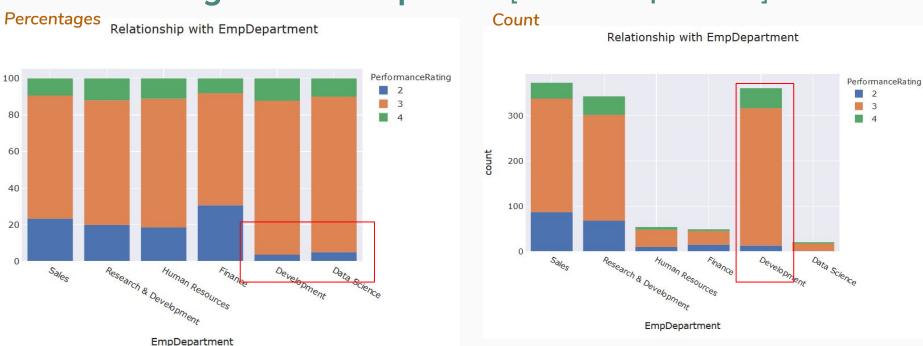
### Influencing factors using chi-squared test for relationship





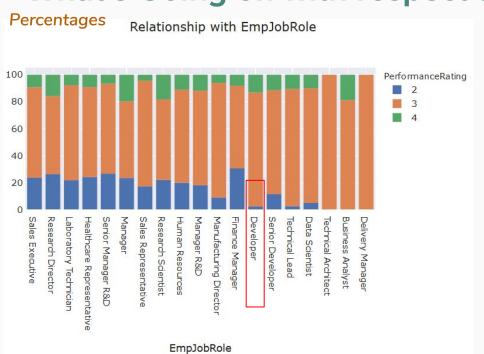
	pvalues
Gender	0.921756
EducationBackground	0.421633
<b>Marital Status</b>	0.18941
EmpDepartment	3 83208e- <mark>11</mark>
EmpJobRole	1 31106e-07
BusinessTravelFrequency	0.354903
OverTime	.00354852
Attrition	0.277053

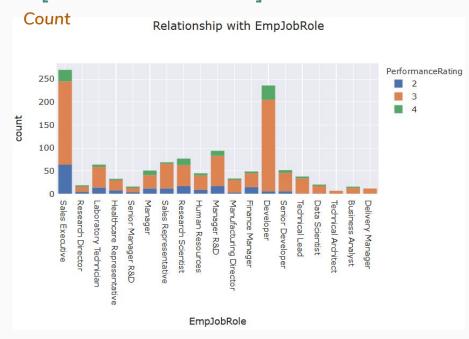
### What's Going on with respect to [Different Departments]



Departments Like 'Development' and 'Data-Science' are doing well Since Number of samples in Development is High, its significance is high

### What's Going on with respect to [Different Job Roles]





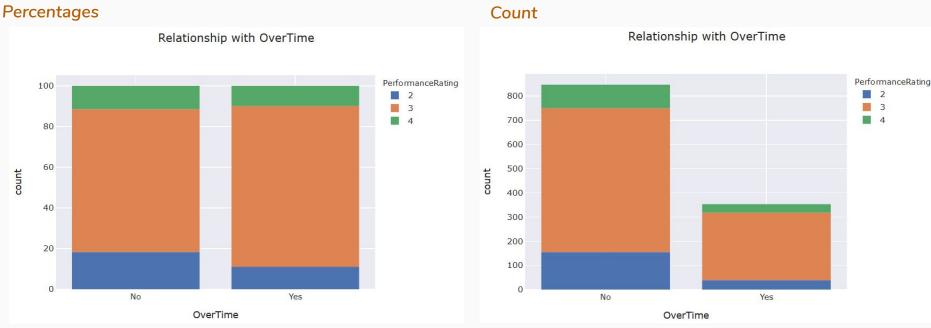
Job Roles Like Developer are performing better than rest

### What's Going on with respect to [Different Job Roles & Department]

EmpJobRole	Business Analyst	Data Scientist	Delivery Manager	Developer	Finance Manager	Healthcare Representative		Laboratory Technician	Manager	Manager R&D	Manufacturing Director	Research Director	Rese Scie
EmpDepartment													
Data Science	0	20	0	0	0	0	0	0	0	0	0	0	
Development	16	0	12	236	0	0	0	0	0	0	0	0	
Finance	0	0	0	0	49	0	0	0	0	0	0	0	
Human Resources	0	0	0	0	0	0	45	0	9	0	0	0	
Research & Development	0	0	0	0	0	33	0	64	8	94	33	19	
Sales	0	0	0	0	0	0	0	0	34	0	0	0	

Almost all Developers work in Development, and both these attribute had good sign for Rating [Last two slides]

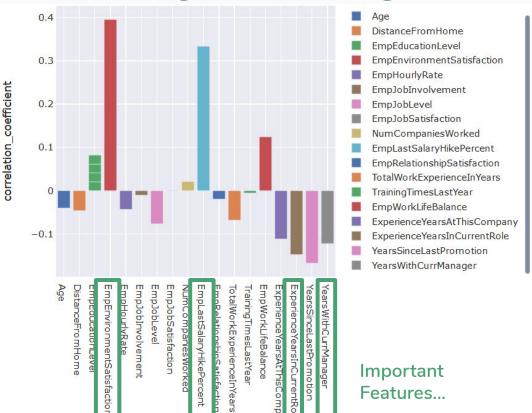
# What's Going on with respect to [Overtime]



Overtime is actually not turning out to be good

# **Important** Numerical Features

Influencing factors using correlation coeff. for relationship



#### Correlation coeff..





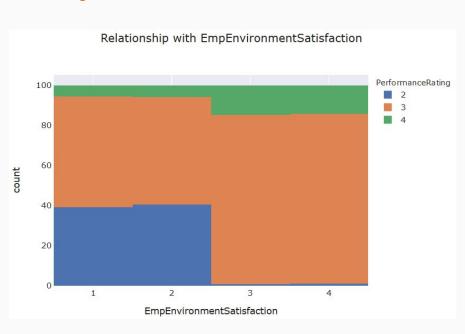


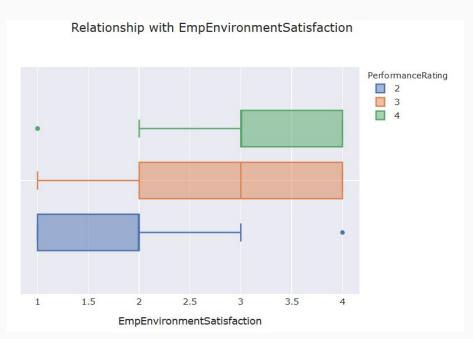
Important Features...

Not so Important Features... Important Features...

### What's Going on with respect to [Emp Environmental Satisfaction]

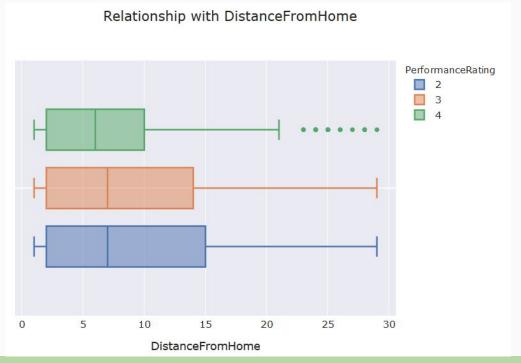
#### Percentages





**Environment Satisfaction is positively leading to the better Performance Ratings** 

### What's Going on with respect to [Dist from office]



Large Distances from office has higher percentages of poor Ratings

### What's Going on with respect to [Hike]

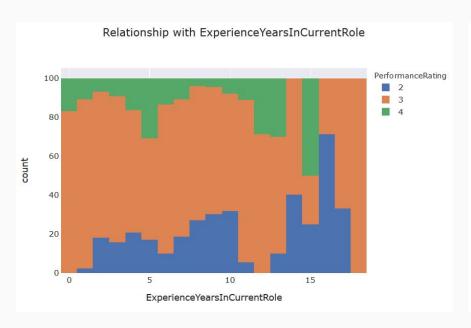
#### Percentages

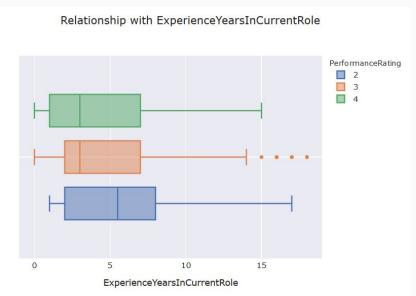


Good Hike has given good Rating, but it may not be possible to give hike to all

### What's Going on with respect to [Exp Current Role]

Percentages Count

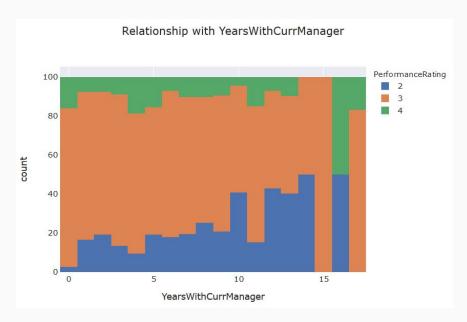


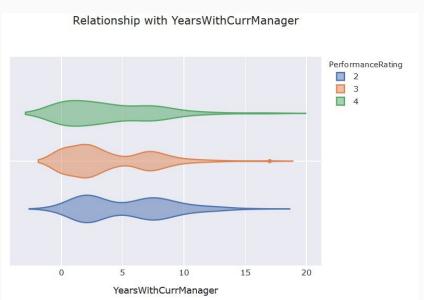


Holding on to a position for longer years is **not** turning out be good

## What's Going on with respect to [Exp with current manager]

Percentages Count





Holding on to one manager for longer years is **not** turning out be good

### **Inter-correlated Factors**

Correlation coeff...

EmpJobLevel	TotalWorkExperienceInYears	0.784229
ExperienceYearsAtThisCompany	ExperienceYearsInCurrentRole	0.764102
ExperienceYearsAtThisCompany	YearsWithCurrManager	0.759258
ExperienceYearsInCurrentRole	YearsWithCurrManager	0.728973
Age	TotalWorkExperienceInYears	0.680886
TotalWorkExperienceInYears	ExperienceYearsAtThisCompany	0.633555
ExperienceYearsAtThisCompany	YearsSinceLastPromotion	0.620230

Confounding Variable: Longevity

Experience, Job level, Age, Years with current manager are all correlated to each other which is also obvious all these are thus having similar relationship with Performance Ratings