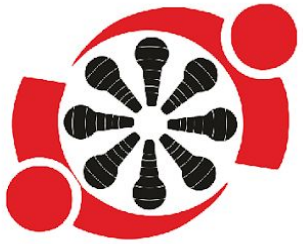


INNOMATICS®
RESEARCH LABS

INNOVATION. AUTOMATION. ANALYTICS

PROJECT ON

Exploratory Data Analysis In

Aspiring Mind Employment Outcome(AMEO)

About me

Hi, I'm Sridhar.

Mathematics graduate from DG Vaishnav College,
where I developed a solid understanding of analytical thinking.
To enhance my abilities in Python and SQL, I completed a comprehensive course on Udemy and Including My Current Internship Innomatics Research Labs. Then applied my knowledge to real-world situations by working on data science projects.

Among these projects are a Habit Tracker and an Amazon Product Tracker, which demonstrate Python and data analytics.

I am enthusiastic about utilizing data-driven insights to tackle challenging problems and I am eager to contribute to the evolving field of data science to make a meaningful difference. I would be delighted to connect with you and explore potential opportunities together.

Github ->

Agenda

Objective of the Project

To analyze the provided dataset to gain insights into the relationship between different features and the target variable, which is Salary. Specifically, the goals include comprehensively describing the dataset and its features, identifying patterns or trends, exploring relationships between independent variables and Salary, and detecting any outliers or anomalies in the data.

Summary of the Data :

The dataset was released by Aspiring Minds from the Aspiring Mind Employment Outcome 2015 (AMEO). The study is primarily limited only to students with engineering disciplines. The dataset contains the employment outcomes of engineering graduates as dependent variables (Salary, Job Titles, and Job Locations) along with the standardized scores from three different areas - cognitive skills, technical skills and personality skills. The dataset also contains demographic features. The dataset contains around 40 independent variables and 4000 data points. The independent variables are both continuous and categorical in nature. The dataset contains a unique identifier for each candidate.

Exploratory Data Analysis(EDA)

Data Cleaning & Data Manipulation

- The Finding some columns has weird values like: 'present', -1, 0

  'present' represents date of data collected time

  '-1' represts unknown or not present

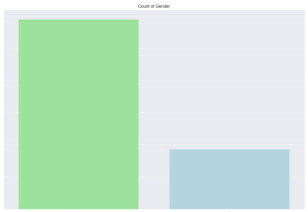
  '0' represent unknown or missing value

  Has Been Changed in my Jupyter Notebook

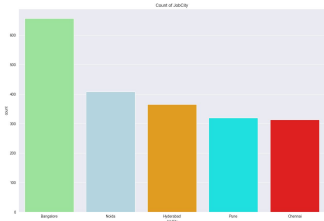
- After Removing The Salary Outliers, The Salary Range Between (35000.0, 655000.0)
- The Column Values of JobCity Has Some Spelling Mistake ,Using Fuzzy Wuzzy The Jobcity Columns values are corrected

Univariate Analysis

- After Done Of Univariate Analysis Occurrences of Male is 3xMore Than Female



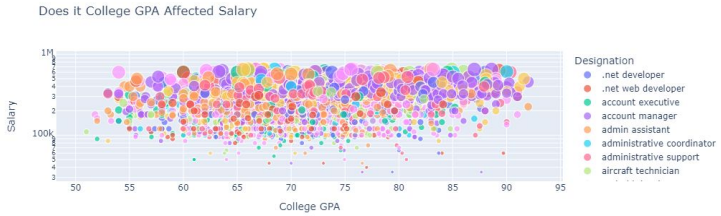
- As per Bangalore is Known as “Silicon Valley Of India” is Shown in Our Data



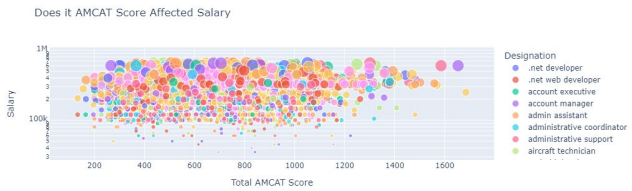
And Many More...

Bivariate Analysis

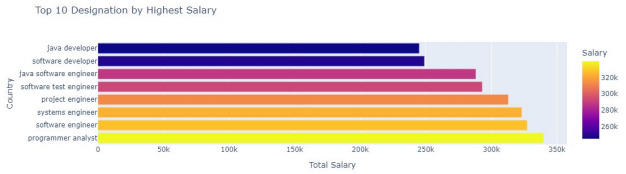
- Does it College GPA Affected Salary



- Does it AMCAT Score Affected Salary



- Top 10 Designation by Highest Salary



And Many More...

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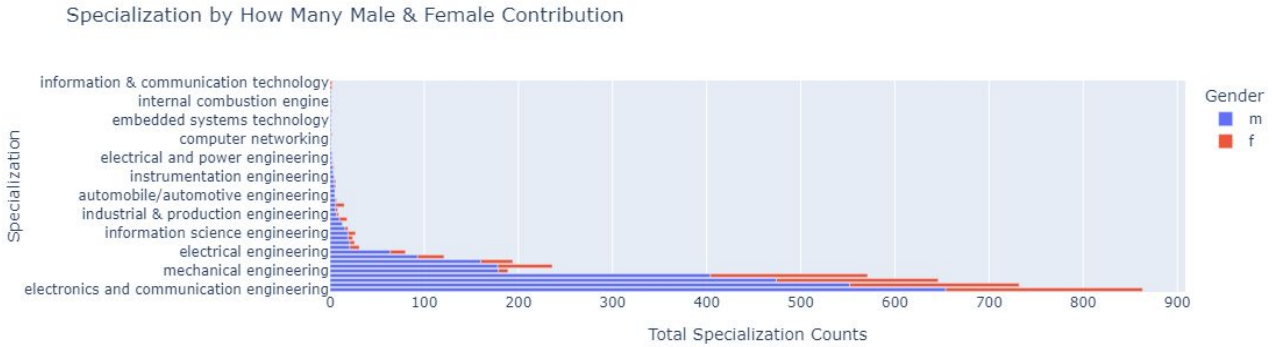
Key Business Question

Is there a relationship between Gender and Specialization ?

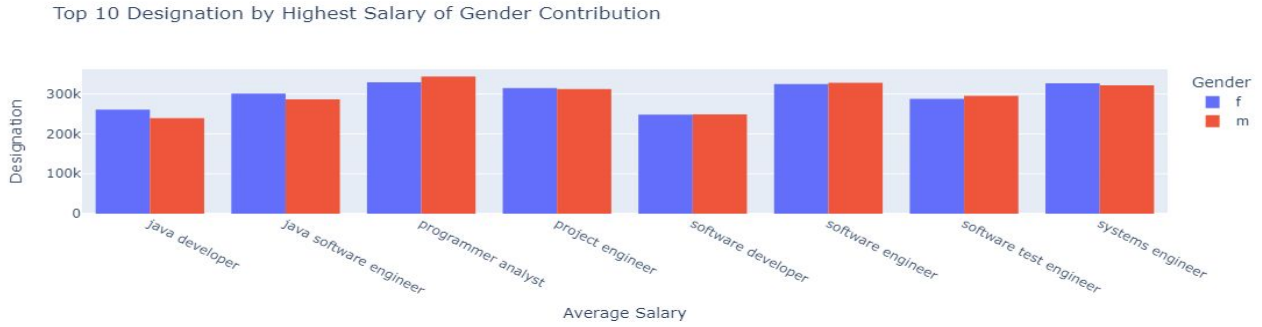
(i.e. Does the preference of Specialisation depend on the Gender?)

we need to Empower more Women Employment ✨



Conclusion (Key finding overall)

Does This Affected The Salary ->



Look at Salaries of Job Cities Contribution

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THANK YOU