

### Model Development Phase Template

Date	15 July 2024
Team ID	740683
Project Tittle	Doctors Annual Salary Prediction
Maximum Marks	5 Marks

### Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Reasoning
Specialty	The medical specialty	This is the primary feature that distinguishes the dataset and allows for comparison across different medical fields.

Annual Income.	The average annual income for that specialty.	Income is a crucial factor for understanding financial compensation and economic aspects of each specialty. It helps in analyzing economic satisfaction and career choices.
Feel Fairly Compensated:	The percentage of respondents who feel fairly compensated.	This feature reflects subjective satisfaction with income, offering insight into perceived fairness and adequacy of compensation in different specialties.
Overall Satisfaction	The overall satisfaction percentage	Overall job satisfaction is a key indicator of well-being and contentment within the profession. It provides a holistic view of career fulfillment.
Satisfied Income	The percentage of respondents satisfied with their income	This feature helps differentiate between objective income levels and subjective satisfaction, offering a nuanced understanding of financial contentment.
Would Choose Medicine Again	The percentage of respondents who would choose medicine again	This reflects long-term satisfaction with the medical profession, indicating the overall appeal and satisfaction derived from a career in medicine

Would Choose the Same Specialty	The percentage of respondents who would choose the same specialty again.	This indicates satisfaction specific to the chosen specialty, highlighting fields with high retention and satisfaction rates.
Survey Respondents by Specialty	The percentage of survey respondents by specialty.	This feature provides context on the representation and sample size for each specialty, ensuring the data's reliability and relevance.