

## Model Development Phase Template

Date	20 June 2024
Team ID	740145
Project Title	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	Selected (Yes/No)	Reasoning
Age	Age of the doctor	Yes	Age is likely correlated with experience and potentially salary.
Experience	Number of years of experience	Yes	Experience directly impacts salary levels.

Specialization	Field of specialization (e.g., Cardiology, Pediatrics)	Yes	Different specializations have different average salary ranges.
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Location	Geographic location of practice	Yes	Location affects the cost of living and salary expectations.
Education	Highest level of education attained	Yes	Higher education levels typically correlate with higher salaries.
Gender	Gender of the doctor	No	Gender should not impact salary predictions due to ethical considerations.
Hours Worked	Average number of hours worked per week	Yes	More hours worked may indicate higher earnings.
Hospital Type	Type of hospital (e.g., public, private)	Yes	Different hospital types may offer varying salary ranges.
Certifications	Additional certifications or qualifications	Yes	Additional certifications may lead to higher salary.

Publications	Number of published research papers	Yes	Publications can enhance reputation and potentially salary.
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