

Model Development Phase Template

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| Date | 15 july 2024 |
| Team ID | 740040 |
| Project Title | Predicting co2 emissions by countries using machine learning |
| Maximum Marks | 6 Marks |

Model Selection Report

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

Model Selection Report:

| Model | Description | Hyperparameters | Performance Metric (e.g., Accuracy, F1 Score) |
|-------------------------|--|-----------------|---|
| Random Forest Regressor | Ensemble of decision trees; robust, handles complex relationships, reduces overfitting, and provides feature importance for predicting co2 emissions | - | 98% |