



AI Governance Model report

P9 - Extra Trees Regressor:
SalaryPredictionEnsemble

Aug 3, 2025

AI use case

This Model is not yet associated with any AI use case.

Model

Name	P9 - Extra Trees Regressor: SalaryPredictionEnsemble
Asset ID	f6fb2907-dfae-4b11-9b04-c3545ed778d6
Description	This model uses Extra Trees Regressor with Auto AI enhancements (TFE, HPO, BATCH) to predict salaries based on features like job title, experience, education, and location. It achieved the best RMSE score among all trained pipelines.
Last modified	Aug 03 2025, 13:51 PM GMT
Created	Aug 03 2025, 12:50 PM GMT
Created by	Vishal Singh (vishuvishal0486@gmail.com)
Label/prediction column	Salary
Model type	wml-hybrid_0.1
Algorithm	BatchedTreeEnsembleRegressor(base_estimator=ExtraTreesRegressor)
Prediction Type	regression
Software specification	hybrid_0.1

General Training Information

Features	6
Hybrid pipeline	autoai-kb_rt24.1-py3.11

Input Schema

Name	Type
Age	double
Education Level	other
Gender	other

Name	Type
Job Title	other
Years of Experience	double

Development

Project name: Salary prediction using ensemble learning

Project description	This project aims to predict employee salaries based on features like job title, experience, education, and location using ensemble learning techniques. Algorithms like Random Forest, Gradient Boosting, and Voting Regressor are used to build a robust predictive model. The dataset is sourced from Kaggle and analyzed using Python in IBM Watson Studio
Project ID	fa9863e4-7beb-4d62-b5f0-f2491211b932
Created by	Vishal Singh (vishuvishal0486@gmail.com)
Date	Aug 03 2025, 12:50 PM GMT
Asset name	P9 - Extra Trees Regressor: SalaryPredictionEnsemble

Training Evaluation

Training data source	Training data name not found
Source type	Source type not found
Type	data_asset