

Input Employee Details

Age

30

18

65

Workclass

Federal-gov

fnlwgt

226802

Educational Num

10

1

16

Marital Status

Divorced

Occupation

Craft-repair

Relationship

Husband

Race

Amer-Indian-Eskimo

Gender

Female

Capital Gain

8

Capital Loss

1

Hours per Week

40

1

99

Native Country

Cuba



# Employee Salary Prediction App with Performance Dashboard

Predict whether an employee earns >50K or ≤50K based on input features.



## Input Data (Displayed as Entered)

	age	workclass	fnlwgt	educational-num	marital-status	occupation	relationship	race	gender
0	30	Federal-gov	226802	10	Divorced	Craft-repair	Husband	Amer-Indian-Eskimo	Female

Predict Salary Class

## Encoded Input for Model

	age	workclass	fnlwgt	educational-num	marital-status	occupation	relationship	race	gender
0	30	1	226802	10	0	3	0	0	

✔ Prediction: ≤50K

Prediction Probabilities — ≤50K: 0.56, >50K: 0.44



## Batch Prediction with Performance Metrics

Upload CSV for Batch Prediction




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## Data Visualizations



### Sample Data Overview

	age	workclass	fnlwgt	education	educational-num	marital-status	occupation	relationship	race
0	25	Private	226802	11th	7	Never-married	Machine-op-inspct	Own-child	Black
1	38	Private	89814	HS-grad	9	Married-civ-spouse	Farming-fishing	Husband	White
2	28	Local-gov	336951	Assoc-acdm	12	Married-civ-spouse	Protective-serv	Husband	White
3	44	Private	160323	Some-college	10	Married-civ-spouse	Machine-op-inspct	Husband	Black
4	18	?	103497	Some-college	10	Never-married	?	Own-child	White

### Age Distribution by Income

### Hours per Week vs Income

