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***MSDSF22M016***

***Assignment#1***

**DataSet Description:**

Extraction was done by Barry Becker from the 1994 Census database. Prediction task is to determine whether a person makes over 50K a year. The dataset contains various features that will be used to predict the salary of individuals.

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| **Features** | **Description** |
| **Sl\_no** | Serial number of the employees. |
| **Age** | Age of the employees (continuous) |
| **workclass** | Workclass of employees (Private, Self-emp-not-inc, Self-emp-inc, Federal-gov, Local-gov, State-gov, Without-pay, Never-worked.) |
| **Fnlwgt** | continuous |
| **education** | Education of employees(Bachelors, Some-college, 11th, HS-grad, Prof-school, Assoc-acdm, Assoc-voc, 9th, 7th-8th, 12th, Masters, 1st-4th, 10th, Doctorate, 5th-6th, Preschool.) |
| **education-num** | continuous |
| **marital-status** | Marital-Status of the employees (Married-civ-spouse, Divorced, Never-married, Separated, Widowed, Married-spouse-absent, Married-AF-spouse.) |
| **occupation** | Occupation of the employees (Tech-support, Craft-repair, Other-service, Sales, Exec-managerial, Prof-specialty, Handlers-cleaners, Machine-op-inspct, Adm-clerical, Farming-fishing, Transport-moving, Priv-house-serv, Protective-serv, Armed-Forces.) |
| **relationship** | Relationship of the employees (Wife, Own-child, Husband, Not-in-family, Other-relative, Unmarried.) |
| **Race** | Race of the employees (White, Asian-Pac-Islander, Amer-Indian-Eskimo, Other, Black.) |
| **Sex** | Sex of the employees (Female, Male.) |
| **capital-gain** | continuous |
| **capital-loss** | continuous |
| **hours-per-week** | continuous |
| **native-country** | Native-Country of the employees (United-States, Cambodia, England, Puerto-Rico, Canada, Germany, Outlying-US(Guam-USVI-etc), India, Japan, Greece, South, China, Cuba, Iran, Honduras, Philippines, Italy, Poland, Jamaica, Vietnam, Mexico, Portugal, Ireland, France, Dominican-Republic, Laos, Ecuador, Taiwan, Haiti, Columbia, Hungary, Guatemala, Nicaragua, Scotland, Thailand, Yugoslavia, El-Salvador, Trinadad&Tobago, Peru, Hong, Holand-Netherlands). |
| **Salary** | Salary of the employees (<=50K or >50K) |