College Code : 7177

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Data Analytics with IBM Cognos

TamilNadu Marginal Workers Assessment

2.1 Short Explanation of the question:

The Tamil Nadu Marginal Workers Assessment, utilizing Data Analytics with Cognos, delves into the employment patterns of workers in Tamil Nadu employed for less than six months. This analysis provides key insights into their demographics, industries, and regional distribution, guiding targeted policies to enhance their working conditions and livelihoods.

2.2 Dataset and its detail:

The dataset used in this analysis was sourced from Kaggle, a prominent platform for data science competitions and datasets. The specific dataset related to TN Marginal Workers Assessment can be found at www.kaggle.com/data.

2.3 Columns to be included:

- ➢ Age Group
- ➢ Area Name
- ➢ Worked for 3 months or more but less than 6 months - Persons
- ➢ Worked for 3 months or more but less than 6 months - Males
- ➢ Worked for 3 months or more but less than 6 months - Females
- ➢ Worked for less than 3 months - Persons
- ➢ Industrial Category Information

2.4 Details of libraries to be used and way to download:

- ✓ Pandas
- ✓ Numpy
- ✓ Scikit-learn
- ✓ Seaborn
- ✓ Matplotlib

Installation using pip command:

- import pandas as pd
- import numpy as np
- import matplotlib.pyplot as plt
- import seaborn as sns

2.5 Rest of the explanation:

Depending on the specific objectives of the analysis, various tasks will be undertaken. This will include data cleaning, exploratory data analysis (EDA), visualization, and, in certain cases, the application of machine learning techniques for predictions or classification.