Title: Data Science Quality Assessment (DSQA)

Designation : DSQA Engineering Intern (DSQA Engineer-I)
Company : Eagleview
Presented By : Harish G (1RV18MCA56)

INTRODUCTION

The role is of a Data Scientist where we will usually allotted with the data that has passed a first round of cleaning and manipulation, which they can use to feed to sophisticated analytics programs and machine learning and statistical methods to prepare data for use in predictive and prescriptive modeling. Of course, to build models, they need to do research in industry and business questions, and they will need to leverage large volumes of data from internal and external sources to answer business needs. This also sometimes involves exploring and examining data to find hidden patterns. Once done with the analyses, they need to present a clear story to the key stakeholders and when the results get accepted, they will need to make sure that the work is automated so that the insights can be delivered to the business stakeholders on a daily, monthly or yearly basis. The Interns are given Assessments based on the Roof Types, Conditions and State to determine the difference of quality for each. This helps in various fields respective of construction and disaster management or insurance company reports.
The main terms that we are assessing are;

1. **Roof Covers** (Shingles, Tile, Metal, Poly, Asphalt, Ballasted)
2. **Roof Conditions** (Good, Fair, Poor, Damaged, Uncertain)
3. **Roof Types** (Gabled, Hipped, Flat, Uncertain, Building not present)

Primary Responsibilities of DSQA Engineer:

- Help to annotate imagery for ML feature modeling using web platforms &/or other open source tools
- Help aggregate, clean, and organize data for machine learning applications
- Provide feedback that will be used to improve ML models for computer vision feature extraction
- Assist with helping to benchmark ML model performance through visual confirmation of results & web-based feedback

Tools:

- Figure8, Jira

Outcome: Processed information fed to sophisticated analytics programs and machine learning and statistical methods to prepare data for use in predictive and prescriptive modeling and ML algorithms.

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Dept of MCA, RVCE

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Signature:

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