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| Project Brief | | | |
| Title | Project 5: Medium [DS+, DE+++] My first Data Lake: from Data Ingestion to Data Visualization, Build a Data Lake with Insights from A to Z | Date | August 19,2020 |
| Introduction/Overview | Faced with the COVID-19 pandemic and the massive challenge it entails for global health and economies, it is imperative that social sciences be mobilized to measure, analyze and used to explain ordinary people’s perceptions of and behavioral reactions to the coronavirus (SARS-CoV-2) disease. It is equally essential that attitudes towards policies on several issues – health, the economy, civil liberties – and towards governments and institutions be investigated and documented.  The project will investigate representations, attitudes and reactions among the general public in the context of the COVID-19 pandemic in several countries exposed to the coronavirus. Contrary to conventional research projects, this proposal will be implemented over a short period of time and offer relevant and immediate deliverables for academics and public decision-makers. | | |
| Project Objectives | 1. This project aims to develop content in the COVID 19 category and the weather (collect in real-time) as a response to the COVID-19 pandemic. To provide data (in real time) on the dynamics of perceptions and (social) representations among different groups of people, based on stratified representative samples. 2. We intend to populate the site with practical, credible, and thought-provoking information on all aspects of doing a correlation between the diagnosis of COVID-19 and weather. 3. To provide insight as to why people are likely to comply with public recommendations under certain circumstances. 4. To provide data study the conditions under which the post-COVID-19 period is likely both to increase fragmentation within societies and to affect social cohesion. | | |
| Project Scope | In Scope   * Provide data from multiple data sources * Provide a conclusive report. * We will have different aspects of predictions that could help us to find the Correlation in different ways. To achieve some analysis, we will be dividing the data based on the area in France.   We will use MeteoNet (An open weather Dataset by METEO FRANCE) which will act as real-time and COVID-19 from Kaggle (collect in batch). * We will deploy python for ingesting data files into s3 bucket. * Plugging a PowerBI Software on this data to do some great data visualization.   Out of Scope   * Provide detailed analysis of the data | | |
| Final Product | By the final deadline (listed below) we will have achieved the results as mentioned below:  For each patient, we have several intrinsic information such as:   * Country, * Age, * Sex, * Disease type (normal, covid or Pneumonia) all linked to patients IDs | | |
| Success Factors | * Ability to generate data/information that can be easily analyzed. * Create sample analyses that are meaningful and easy to understand. * Completion of the project within given timelines. | | |
| Timeline |  | | |
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