Truck Accident Study using Big Data Analytics

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Big Data Analytics

## Task 1: Creating the set of geographic data needed for the remaining exercises.

Downloaded from the projects folder on eLearning.

## Task 2: Loading Data into Hadoop File System (HDFS)

Checked the IP Address using ifconfig

Text, letter

Description automatically generated

IP Address - 192.168.127.128

A screenshot of a computer

Description automatically generated

Copied files from local to HDFS using sftp. (Used FileZilla)

Graphical user interface, text, application

Description automatically generated

Viewed the files in HDFS.

Text

Description automatically generated

## Task 3: Hive Table Creation

Created a Hive Table for geolocation tab and load data from Geolocation file.

Text

Description automatically generated with medium confidence

A picture containing table

Description automatically generated

Text, table

Description automatically generated with medium confidence

Text

Description automatically generated

A picture containing table

Description automatically generated

Graphical user interface, application, table

Description automatically generated

A close-up of a document

Description automatically generated with medium confidence

A picture containing calendar

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated with low confidence

Text, letter

Description automatically generated

Table

Description automatically generated

Text, letter

Description automatically generated

Text, letter

Description automatically generated

Text

Description automatically generated

Table

Description automatically generated

Text

Description automatically generated

## Task 4: Loading Risk Factor table using Pig

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text, letter

Description automatically generated

Table

Description automatically generated

## Task 5: Integrating HDFS with Tableau

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated with medium confidence

## Task 6: Reports and Dashboards

Attached in the PowerPoint presentation.

Chart

Description automatically generated