

Vidyalankar Institute of Instit

Semester	T.E. Semester VI – Computer Engineering	
Subject	Data Warehousing and Mining	
Subject Professor In-charge	Prof. Kavita Shirsat	
Assisting Teachers	Prof. Kavita Shirsat	
Laboratory	Lab 312 A	

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Grade and Subject	
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Experiment Number	01		
Experiment Title	To find Mean, Median, Mode and Range of a particular numeric column on a live Dataset.		
Resources / Apparatus Required	Hardware: Computer system	Software: Python	
Description	 When working with a large data set, data set with a single value that desc of the entire set. In statistics, that sin and mean, median and mode are all to a large of the mean, add up the values in number of values that you added. To find the median, list the values of identify which value appears in the mode, identify which value. Range, which is the difference between data set, describes how well the cent 	rovides context for the mean, median it can be useful to represent the entire ribes the "middle" or "average" value gle value is called the central tendency ways to describe it. In the data set and then divide by the the data set in numerical order and hiddle of the list.	
Implementatio n	<pre>import pandas as pd data=pd.read_csv('netflix1.csv')</pre>		



Department of Computer Engineering Exp. No.1

```
data['date added'] = pd.to datetime(data['date added'], errors='coerce'
                 mean_date = data['date_added'].mean()
                 mean_date
                 Timestamp('2019-05-17 21:44:01.638225408')
                 for idx, x in enumerate(data['date_added']):
                     if x=='#######': # Check for NaT values
                         data.at[idx, 'date_added'] = mean_date
                         print(idx)
                 data_to_csv('final.csv')
                 data['date_added']
Output
                 Timestamp('2019-05-17 21:44:01.638225408')
Conclusion:
                IT professionals need to understand the definition of mean, median, mode and
                range to plan capacity and balance load, manage systems, perform maintenance
                and troubleshoot issues. These various tasks dictate that the administrator
                calculate mean, median, mode or range, or often some combination, to show a
                statistically significant quantity, trend or deviation from the norm. Finding the
                mean, median, mode and range is only the start. The administrator then needs
                to apply this information to investigate root causes of a problem, accurately
                forecast future needs or set acceptable working parameters for IT systems.
                Thus, with the help of this experiment, an IT professional can apply this
                information for analyzing the data.
```