1. **Basics:**
2. Discrete data is finite anything which can be counted is discrete. Continuous data is infinite and it can take any value.
3. A column is dimension if applying Mathematics or statistics doesn’t make sense and is measure if applying Mathematics or Statistics makes sense. Usually, categorical variable comes under dimension and numeric variable under measure.
4. Data which gives information about other data is called metadata.
5. When I aggregating the data, it takes multiple rows into consideration and gives consolidated report of data. If I disaggregate the data, it gives every individual row.
6. It depends on the connection between data source and Tableau Desktop. If the connection is in live mode, then whatever changes will be in the data source will directly available in Tableau also but if it is in extract mode, then the changes in data source will not be available in Tableau directly.
7. i. **Data source(.tds)** - Tableau data source files have ‘.tds’ extension.

ii. **Workbooks (.twb) -** Tableau workbook files have the ‘.twb’ file extension.

iii. **Bookmarks (.tbm) -** Tableau bookmark files have the ‘.tbm’ file extension.

iv. **Packaged Workbooks (.twbx) -** Tableau packaged workbook files have the ‘.twbx’ file extension.

v. **Extract (.hyper or .tde) –** Depending on the version the extract was created in, the extract file extension can either .hyper or .tde.

vi. **Packaged Data source (.tdsx) -** Tableau packaged data source files have the ‘.tdsx’ file extension.

**6. 4.** Equation oflinear regression is,

Profit = 0.201867\*Sales + -36.7494

**5.** 3 clusters.

**7. 6.** 0%

**8. 1.** There are 4 different types of filters.

i. General

ii. Wildcard

iii. Condition

iv. Top

In general, list is used to filter rows. Wildcard uses value matching. Condition is used by field or by formula. Top is based on top/bottom values by field or by formula.

**9. 1.** There are three main preview types in Tableau dashboard. They are desktop, tablet and phone. Default is desktop. Within each preview there are option to include models also.

**11. 1.** Parameter gives option to dynamically modify values in report. You can show parameter control and edit it in parameter action.

**2.**  Parameter can be created by clicking the down arrow in data pane and selecting create parameter. It is also possible to create parameter in filter-top.

**12. 1.**  Select the columns which we want to forecast, drag forecast model from analytics section of data pane. Select the type of forecast. You can change the forecast length, confidence interval and forecast model by right clicking the line. To forecast for next 4 years, select forecast length until 4 years and aggregate source data by quarters.

**2.** Estimated sales for September 2018 is, 101,871.