***DATA VISUALIZATION USING TABLEAU***

***DATASET:*** The dataset consist of FDI investments in various sectors from the year 2000 to 2017

***OBJECTIVES***

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| 1. Import data:   Click extract-> excel workbook and select FDI case study |  |  |
| 1. Cleaning Labels:   To clean the data check the “Cleaned with data interpreter” checkbox.    CLEANED DATA: |  |  |
|  | | |
| To exclude the grand total:  Add a filter. Sector-> exclude-> grand total  To create a fiscal year column:  Click from 2000-2016 right click and create a pivot. Right click on year and create a calculated field. Fiscal year= LEFT ([year],4)     1. Highest value for FDI and its sector in latest year   Add sector and fiscal year values to rows, and FDI values to column. In filter add fiscal year and exclude all years except 2016. Sort FDI in descending order.    To get top 10:  Filter sector field. Top tab-> top 10-> apply | | |
| 1. Lowest Value of FDI and its sector in latest year   Add sector and fiscal year values to rows, and FDI values to column. In filter add fiscal year and exclude all years except 2016. Sort FDI in ascending order.    Least 10:  Filter sector field. Top tab->By field-> bottom 10-> apply | | |
| 1. Trend of overall foreign direct investment(filter to select any individual sector)   Select fiscal year and FDI value, create a line graph. Add fiscal year to the detail tab    Trend line for service sector:  Add sector to the field tab and filter service sector | | |
| 1. Grouping of Sectors for comparison   Right click sector create group and now create a table with group and FDI values | | |
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| 1. Sectors that reported high growth in FDI in last 5 years   Create a table with the sector, fiscal year and FDI values. In FDI values filter add a quick calculated field-> year by year growth. Sort the 2016 growth rate. | | |
| 1. Sectors that reported high decline in FDI in last 5 years   Create a table with the sector, fiscal year and FDI values. In FDI values filter add a quick calculated field-> year by year growth. Sort the 2016 growth rate. | | |
| 1. Which sectors has most variation in FDIs   Create a box and whisker plot with fiscal year and FDI values. Uncheck analysis-> aggregate measures. Sort descending | | |
| 1. Proportion of Each sector in FDI   Create a tree map with sector and FDI values. Right click on fiscal year-> add filter to get a year –wise view. | | |
| 1. Are there some specific clusters that are present here   Create a packed bubbles chart with sector and FDI values. Click on analysis tab-> clusters | | |
| 1. What is the forecast for next year   Create a line chart with fiscal year and FDI values, in analysis tab click the forecast option. Select add filter in sector to get a forecast sector wise. | | |