**Advanced Tableau IV**

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1. **Showing statistics and forecasting: use the analytics pane and trend lines:**

(1). Build a trend line between weight and standard cost, enable confidence interval, are the correlation coefficient between these two facts significant?

These are significantly and negatively correlated

Graphical user interface, application

Description automatically generated with medium confidence

**Generate a forecast in the View: build a forecast line to predict the sum of sales amount in 2015 (order date)**

Chart

Description automatically generated

**2. Find Clusters in Data:**

Find clusters in the scatterplot of weight and product cost from production dimension; How many clusters are generated automatically? Distinguish these clusters using different colors;



**(2). Display only cluster 1 and cluster 2 in the view; Save clusters as groups in the data field, and rename the groups;**

Graphical user interface, text, application, email

Description automatically generated

**4. Use Control Chart with Control Limit:**

**(1). Build a control chart, with average, and upper limit and lower limit;**

Graphical user interface, chart, line chart

Description automatically generated

**(2). Highlight the nodes that outside the upper and lower limit;**

Chart, line chart

Description automatically generated