

# Building Interactive Dashboard

Modern Tool for Data Visualization



**STAT MODELLER**  
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# Learnings

What is Dashboard?

Overview on types of  
Dashboard

Benefits of using  
Dashboard

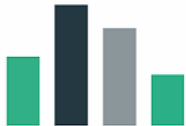
**Building  
Interactive  
Dashboard**

Things to Do

How to create  
Dashboard in Excel

Overview on  
Interactive Tools

Q&A Session



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- Trained Lean Six Sigma Black Belt
- Certified Auditor for ISO 9001
- Trained 150+ participants
- Guided 5+ Improvement projects & Process Time Study
- Trainer for Excel, Advanced Excel, 5S, Kaizen, Quality Tools, ISO 9001, Data Analysis and many more.

- More than 8 years of industrial experience
- Certified Lean Six Sigma Black Belt
- Certified Auditor for ISO 9001
- Trained 3500+ participants
- Guided 100+ Improvement projects
- Assisted 25+ Research Projects
- Trainer for in R, Python, SPSS, Minitab, Power BI, Excel, Advanced Excel



# What is Dashboard?

Dashboard is a most informative single screen (mostly, but not always necessary) view of large data that helps in tracking key KPIs or metrics and to make a quick & better decision.

Dashboard may contains charts/tables/views that are linked with data.

# Overview on Types of Dashboard

## Strategic Dashboard

Monitoring the long-term company strategy.

Mainly used by senior-level management.

## Tactical Dashboard

Analysis and monitoring of processes.

Mainly used by mid-level management.

## Operational Dashboard

Monitoring & Tracking real time Operational activities.

Mainly used by Junior level management.

## Analytical Dashboard

Intersection of the strategic and operational dashboard.

Mainly used by Data Analyst.

Type of Dashboard	Level of Seniority	Time application	Level of Complexity
Strategic	Senior Management	Long Term	Complex
Tactical & Analytical	Middle Management	Medium Term	Less Complex
Operational	Junior Management	Routine	Simple

# Key Benefits of Dashboard

- Insight on multiple objectives / KPIs on Single Screen (mostly, but not always necessary).
- Quick access to Data comparison for effective decision making.
- Visualization abilities to identify Positive or Negative trend.
- Save Resource (Time, Money, Energy etc.,)
- Increase Productivity.

# Things to Do

- What is the purpose / objective of Dashboard?
- What is the data source?
- Building initial structure based on your objective
- Determine who is going to use this Dashboard?
- How frequently does this Dashboard need to be updated?
- What version of MS Excel does the user have?





# How to create Dashboard in Excel

# 3 Days workshop on Advanced Excel

- Quick overview on Excel.
- Basic & Complex Formulas
- Advance formulas like IF, Vlookup, Hlookup, etc.,
- Creating Table, Charts, Pivot Table, Pivot Charts, Conditional formatting
- Data Validation Tool, Data Analysis Tool (Histogram, Descriptive Statistics, Pareto Chart)
- Dashboard Management

## Workshop Date & Time

22<sup>nd</sup> to 24<sup>th</sup> May,  
2 Hours per Day

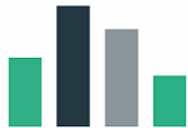
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# Q & A Session