

Data Analysis Steps for Success with the IMSL® Numerical Libraries



Where Do You Start?

Step 1 What is the problem you want to solve?

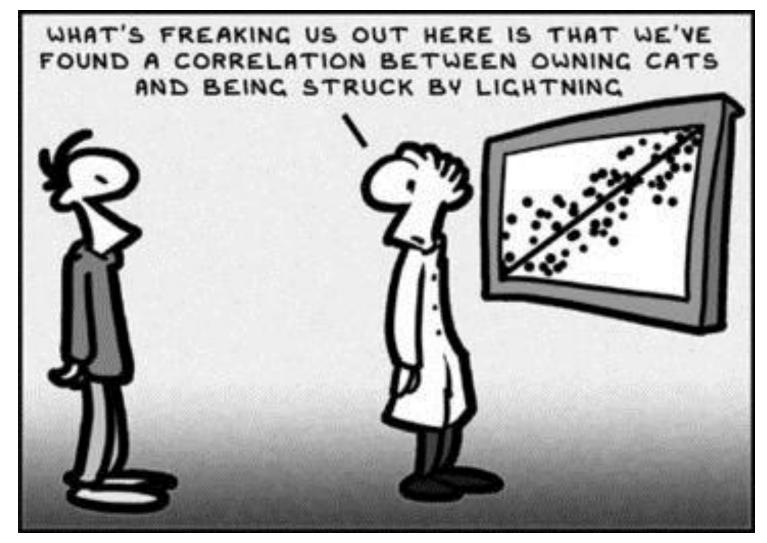


Problem Context

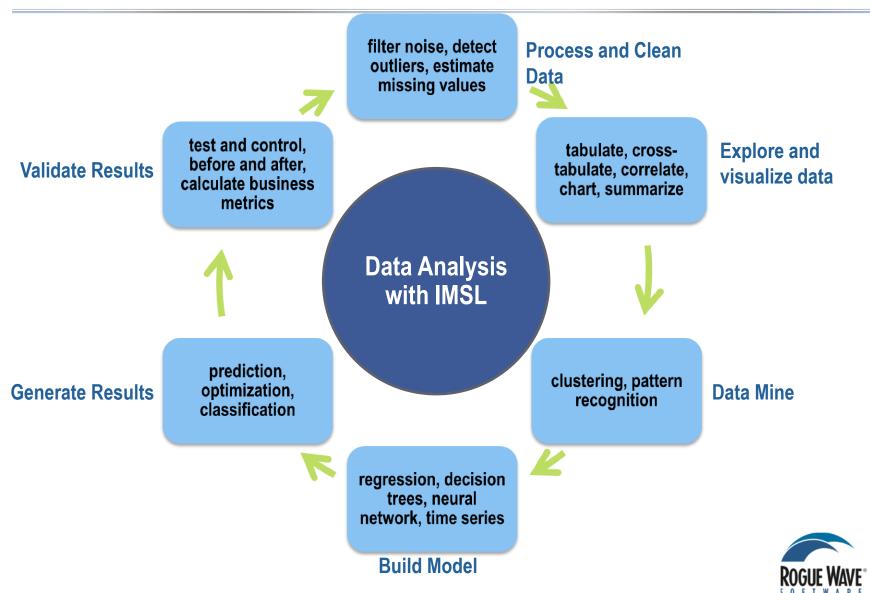
- Improve cyber security
- Improve emergency response
- Minimize risk
- Prevent improper payment & improve recovery
- Detect fraud
- Improve patient outcome while reducing spending
- Optimize workforce/human capital



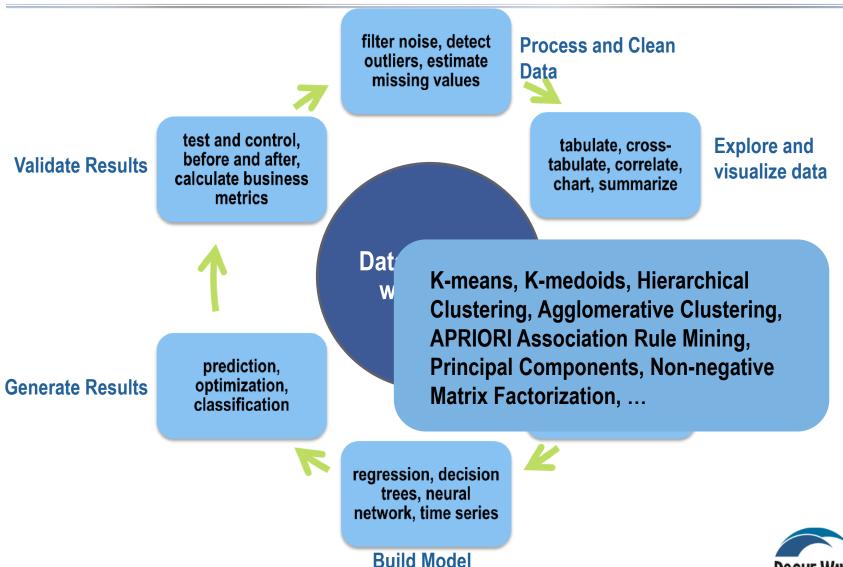
Storine & Understand Your Data



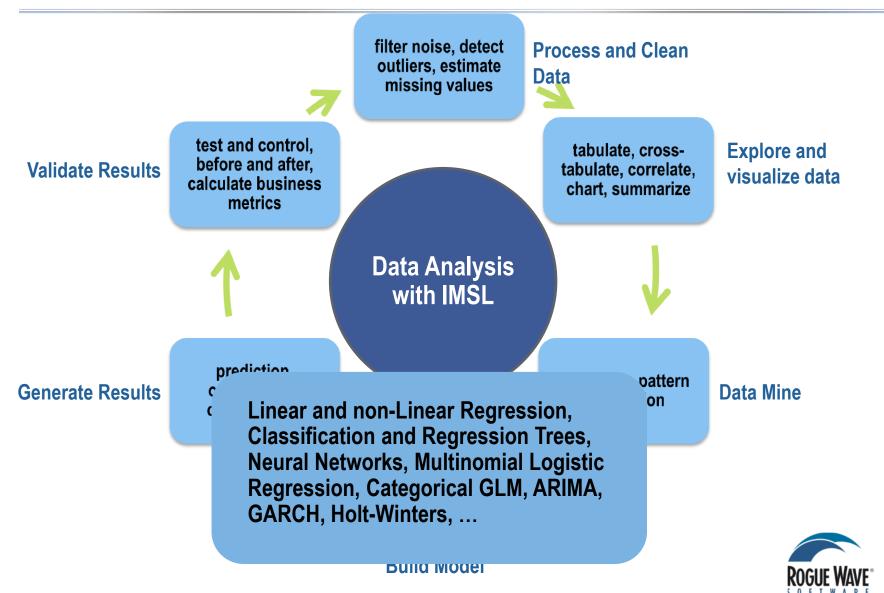
Data Analysis Steps



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Remember

Determine your goals, Define your data, then

Mine, Model, Validate and

Repeat

2013 Product Roadmap: IMSL C Numerical Libraries

- Decision Trees
- Apriori Analysis
- Support Vector Machines
- Kohonen Self Organizing Maps
- Vector Auto-Regression
- Vector Error Correction Model
- Additional data input streaming capability
- Data aggregation for data sets larger than physical memory





Thank You

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