

# Building Data Analysis Applications on the NetBeans Platform

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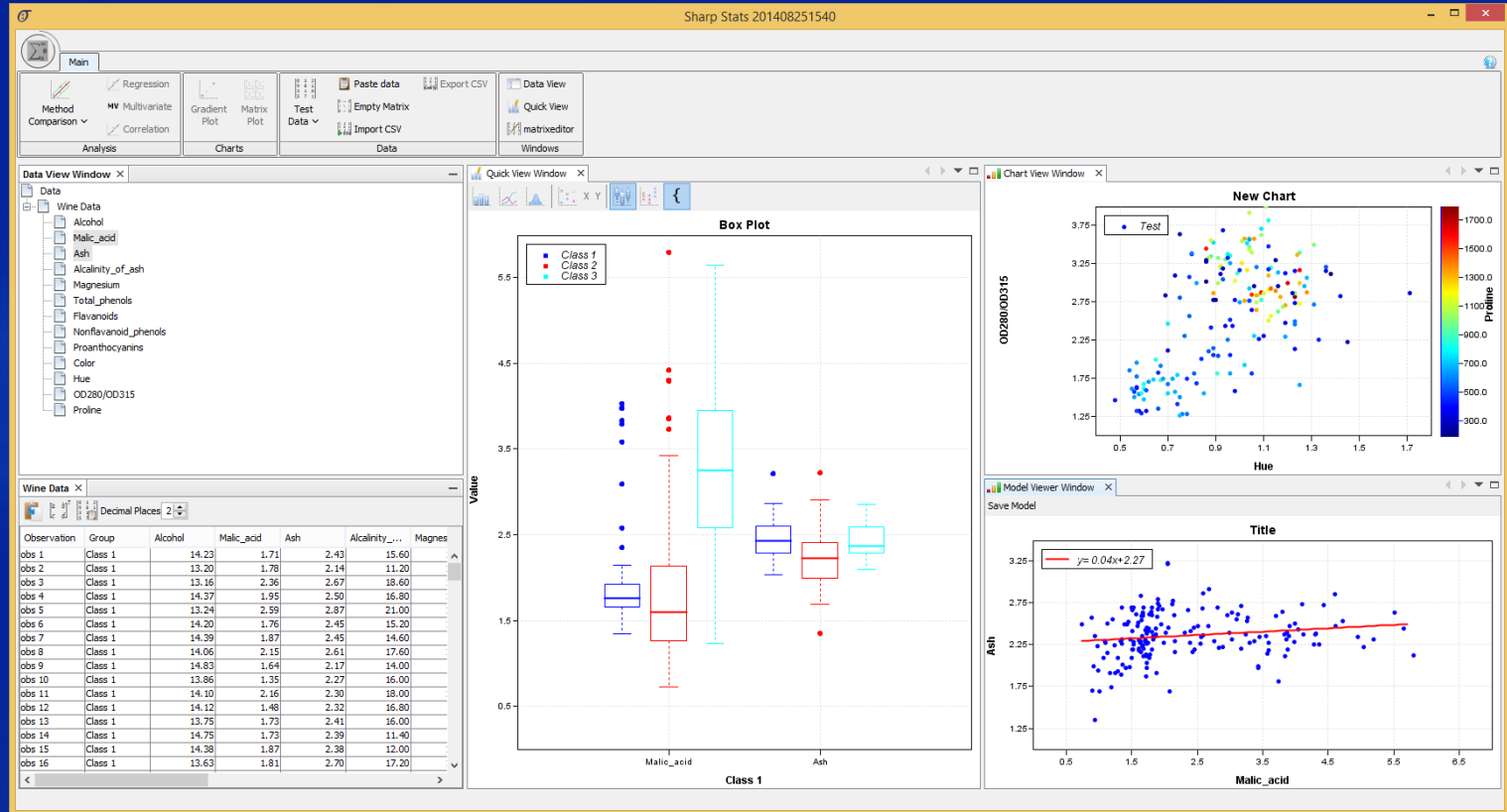
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# Background

- Worked as a statistician in manufacturing and pharmaceutical R&D for over 10 years.
- Use C# to build Add Ins for Microsoft Excel.
- Regulated and manufacturing environments often require desktop solutions.
- Built desktop applications from scratch.

# Demo



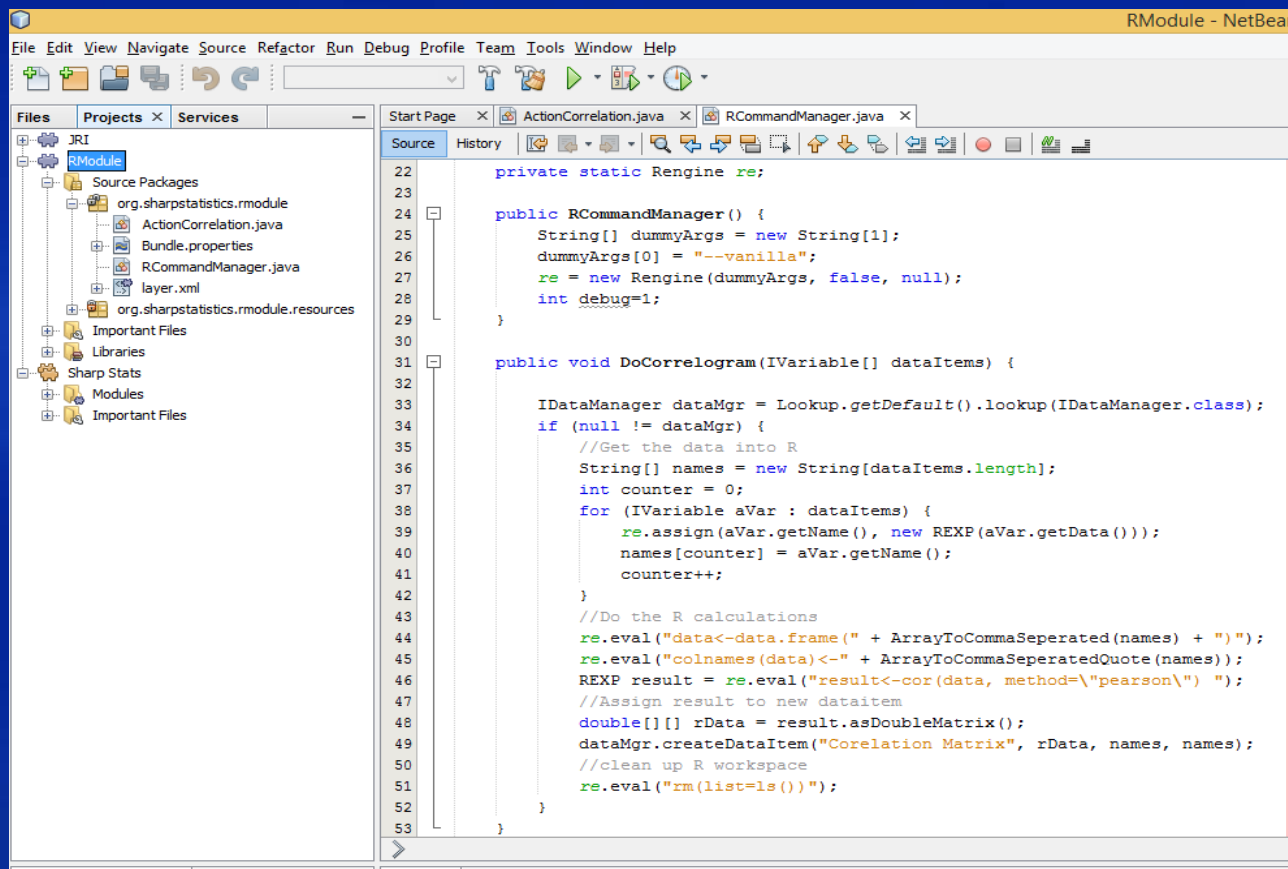
# Why use NetBeans Platform

- Why build all the infrastructure of a desktop application when NetBeans offers it all.
- All standard desktop functionality
  - Modular structure
  - Window System
  - Node System
  - Communication between modules and windows
  - ....

# Flexibility

- Simple to add unexpected future requirements
- Adding a connection to R
  - Generate a new library module, using RJava
  - Generate a new R module
  - Add an Action
  - Add a method
- All added in 30 minutes.

# Adding R code



# Summary

- Building on the NetBeans Platform allows me to
  - Implement standard functionality using reliable and tested APIs.
  - Concentrate on the data analysis tasks rather than the infrastructure.
  - Build better solutions faster.
  - For the client faster means cheaper.