

# Implementing parallelism tests in JMP

## Challenge



Client was in urgent need for a more cost-effective solution

- According to (statistical software) USP standards, parallelism between a pair of dose – response functions need to be tested prior to validating a potency bioassay
- Developing acceptance criteria for one specific assay requires measuring the reference product numerous times
- These cost a tremendous amount of time and money

## Solution



Developed JMP add-in to improve accessibility of complex tests

- Programmed the parallelism tests in the JMP scripting language
- Developed a JMP add-in to make the more complex tests accessible for non-statisticians
- Trained scientists in the use of JMP and the developed add-in

## Outcome



Proper parallelism tests are now easy to use directly by scientists without assistance of a statistician

- All tasks delivered within defined time frame