

Julia .about ()

- 2017: SAS Technical Intern in JMP reporting to Daniel Valente
- 2016: SAS Summer Intern in JMP reporting to Diana Levey
- Rising freshman in Mathematical and Computational Science (MCS) at Stanford University



myProjects

- Using JMP Scripting Language, developed interactive add-in builder wizard that allows JMP users to create custom JMP user interfaces for R functions
- Wrote technical content for JMP Blog on scripting tips, tricks, and resources

myLearning

- DataCamp Certificate: Introduction to R
- Self-Study: JMP Scripting Language

Julia .contact ()

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- JMP Blog: Search for 'juliagong' at community.jmp.com

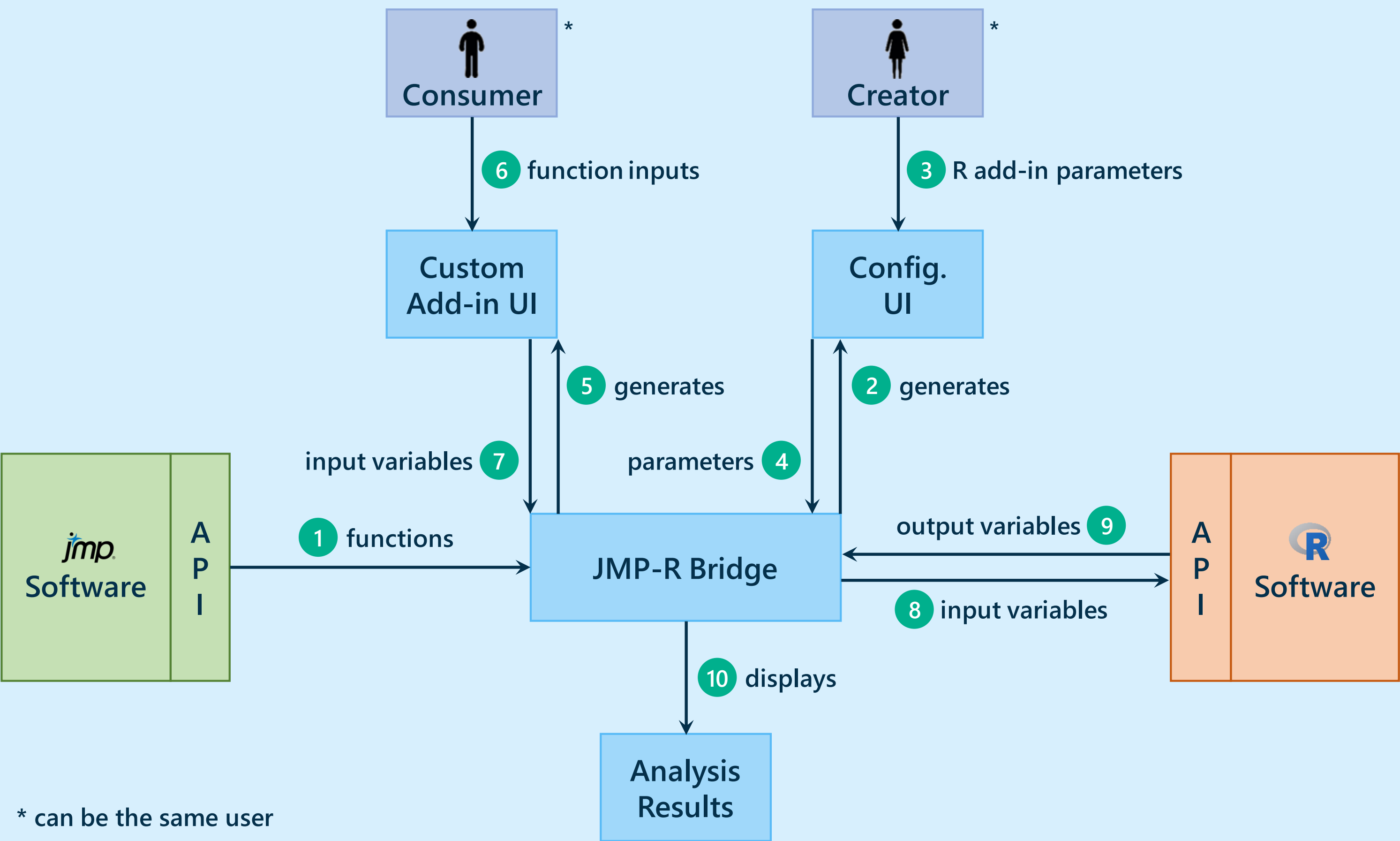
JMP-R: An Interactive JMP to R Custom Add-in Builder

jmp .purpose ()

Goal: Implement a JMP user interface that allows users to define and use custom JMP add-ins that execute R functions
Target Users: Creator, who can write R code, and Consumer, who has no knowledge of R or JSL

The Creator enters the specifications of their desired R function via a guided configuration JMP user interface. A second JMP add-in user interface that executes this R code is then generated for the Consumer, who can analyze their data without writing JSL or R code. This software can also be adapted to create custom add-ins for functions in other languages, such as Python and JSL itself.

jmp .architecture ()



jmp .useCases ()

- Time Series Data Mining
- Sliced Latin Hypercube Designs
- Auto ARIMA
- Anomaly Detection
- Image Analysis

jmp .keyFunctions ()

- User Interface (Display Boxes)
e.g. **V List Box**,
Panel Box,
Check Box,
Text Edit Box
- Input Processing (Data Structures)
e.g. **Associative Array**,
List,
Matrix
- JMP-R Connection
e.g. **R Send**,
R Get Graphics,
R Execute

jmp .workflowOverview ()

