Recipe for bottleneck analysis graph

1. Run simulations by varying r; copy/paste each sim into a single table
2. Delete unneeded t\_wait and Dt columns
3. Paste into JMP

Table

Description automatically generated

1. Tables / Stack batch start and finish with t\_dummy needed to create segment for each batch
2. Repeat with packing start and finish times (also with t\_dummy)
3. Delete packing time columns from stacked batch data and delete batch time columns from stacked packing data

Graphical user interface, application

Description automatically generated

Table

Description automatically generated

1. In Packing Graph Data, replace Vessels A and B with “A Pack” and “B Pack”
2. In Making Graph Data, replace Vessels A and B with “A Make” and “B Make”
3. Change Vessel column name to “Prodn Event”

Table

Description automatically generated

Table

Description automatically generated

1. Tables / Concatenate the two tables to make “Combined”

Graphical user interface, application

Description automatically generated

1. Graph Builder: Plot Prodn Activity x time
   1. Add Line
   2. Row Order checkbox selected
   3. Missing Values: No Connection
2. Set Value Ordering for Prodn Activity: Make A, Pack A, Make B, Pack B