



Data farming ruby scripts: What's there



After installing ruby, type “gem install datafarming” in a command window to install the tools described below. Source code can be viewed and downloaded from the publicly accessible git repository

https://bitbucket.org/paul_j_sanchez/datafarmingrubyscripts

General file manipulation scripts

- `blank2csv.rb`
converts whitespace-delimited files to Comma Separated Values (CSV) files
- `cat.rb`
replicates the Unix “cat” program for Windows—for viewing or creating text files or concatenating multiple files, based on file redirection
- `convert_line_endings.rb`
converts text files (including CSV files) to your current operating system environment (e.g., dos to Unix or Unix to dos)
- `csv2blank.rb`
converts CSV files to whitespace-delimited files



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`batchrunner.rb`

run a model interactively with replication

`rundesign_general.rb`

run control to replicate a designed experiment with a model

`pool_files.rb`

pool columns from separate files into a new file, useful for combining design file & output files or multiple output files

`stack_nolhs.rb`

generate designs by reassigning columns from built-in NOLHS
`stripheaders.rb`, `stripheaderdups.rb`,

used to remove headers from a file, or duplicate headers
within a file, respectively



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`augment_design.rb`

generates star points to augment a fractional factorial

`cross.rb`

creates a large combinatorial design by crossing all combinations of any # of individual smaller designs

`nolh_designs.rb`

contains the NOLH designs used by `stack_nolhs.rb`

`mser.rb`

useful for determining the truncation point for removing initial transient effect for time-series output