

Note: The PDF version of this document is transformed by manually printing from a browser.

Requirements

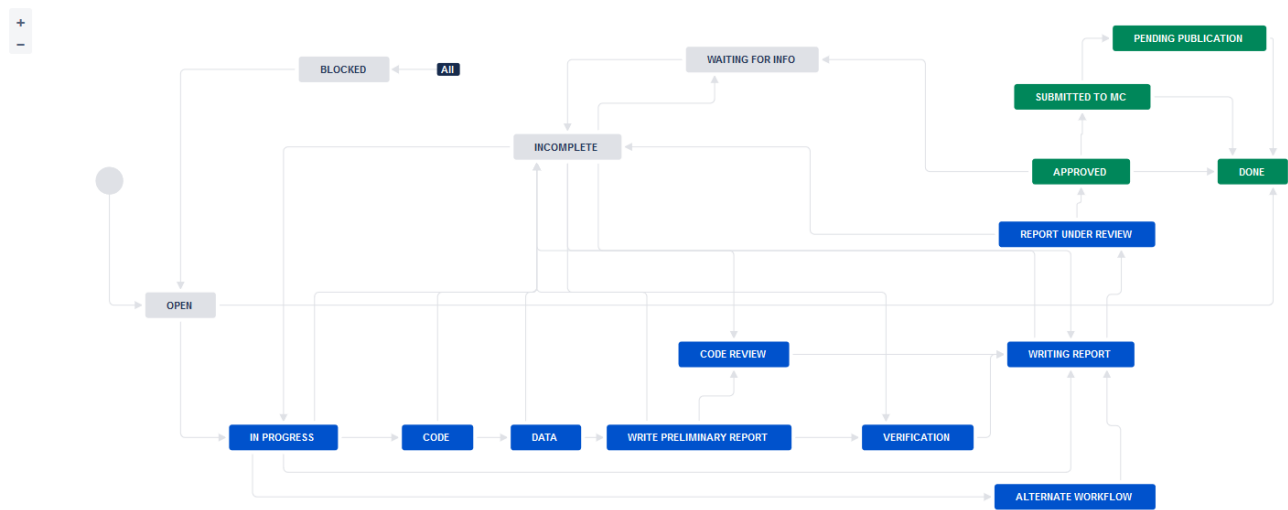
This project requires

- R (last run with R 4.0.4)
  - package [here](#) (>=0.1)

Other packages might be installed automatically by the programs, as long as the requirements above are met.

Data

The workflow



Raw process data

Raw process data is manually extracted from Jira, and saved as

- `export_MM-DD-YYYY.csv`

We currently only use the latter. The data is not made available outside of the organization, as it contains names of replicators, manuscript numbers, and verbatim email correspondence.

At this time, the latest extract was made 12-22-2020.

Anonymized data

We subset the raw data to variables of interest, and substitute random numbers for sensitive strings. This is done by running `01_jira_anonymize.R` and `02_jira_anon_publish.R`:

```
source(file.path(programs, "01_jira_anonymize.R"), echo=TRUE)
```

Describing the Data

The anonymized data has 15 columns.

Variables

name	description
ticket	The tracking number within the system. Project specific. Sequentially assigned upon receipt.
date_created	Date of a receipt
date_updated	Date of a transaction
Journal	Journal associated with an issue and manuscript. Derived from the manuscript number. Possibly updated by hand
Status	Status associated with a ticket at any point in time. The schema for these has changed over time.
Changed.Fields	A transaction will change various fields. These are listed here.
Software.used	A list of software used to replicate the issue.
received	An indicator for whether the issue is just created and has not been assigned to a replicator yet.

name	description
external	An indicator for whether the issue required the external validation.
subtask	An indicator for whether the issue is a subtask of another task.
Resolution	Resolution associated with a ticket at the end of the replication process.
reason.failure	A list of reasons for failure to fully replicate.
MCRRecommendation	Decision status when the issue is Revise and Resubmit.
MCRRecommendationV2	Decision status when the issue is conditionally accepted.
mc_number_anon	The (anonymized) number assigned by the editorial workflow system (Manuscript Central/ ScholarOne) to a manuscript. This is purged by a script of any revision suffixes."

## Sample records

ticket	date_created	date_updated	mc_number_anon	Journal	Status	Software.used	received	Changed.Fields	extern
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Submitted to MC		No	Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Approved		No	openICPSRDOI	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Approved		No	Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Report Under Review		No	MCRRecommendationV2,Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Writing Report		No	Reason for Failure to Fully Replicate,Resolution,Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Alternate workflow		No	Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	In Progress		No	Status	No
AEAREP-1639	12/7/2020	12/18/2020	202	AEJ:Economic Policy	Assigned		No	Status	No
AEAREP-1639	12/7/2020	12/8/2020	202	AEJ:Economic Policy	Open		No	openICPSR Project Number	No
AEAREP-1639	12/7/2020	12/7/2020	202	AEJ:Economic Policy	Open		No	Journal	No