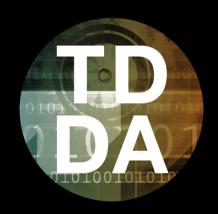
AI FOR TESTING DATA PROCESSES



PyData Edinburgh 2018 • Lightning Talk • 1st November 2018

www.tdda.info/pdf/tdda-artie-2018.pdf

Nicholas J. Radcliffe Stochastic Solutions Limited TESTING
DATA
PROCESSES



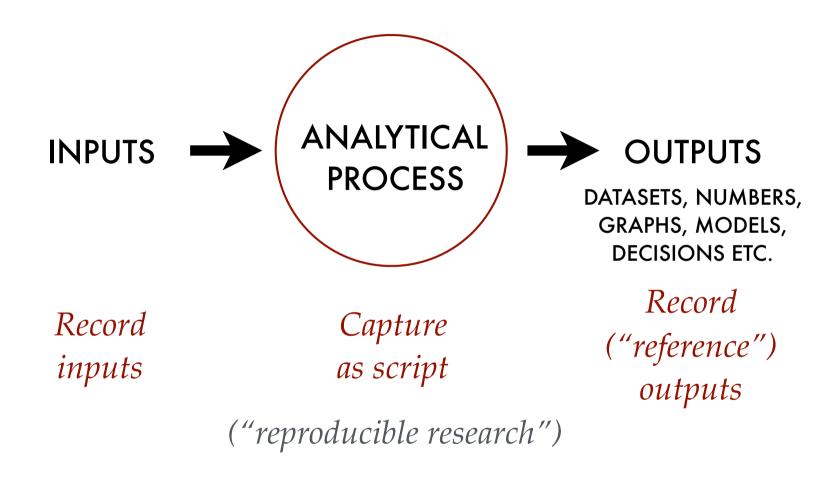
TESTING DATA

CONSTRAINT
GENERATION
& VERIFICATION

TESTING
DATA PROCESSING

REFERENCE TESTS

REFERENCE TESTS



Develop a verification procedure (diff) and periodically rerun: do the same inputs (still) produce the same equivalent outputs?

My outputs are too complex

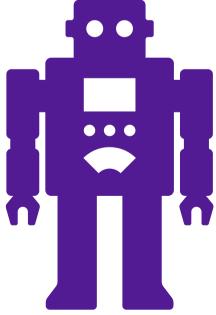
If stuff changes, my tests will break

Move fast and break things!

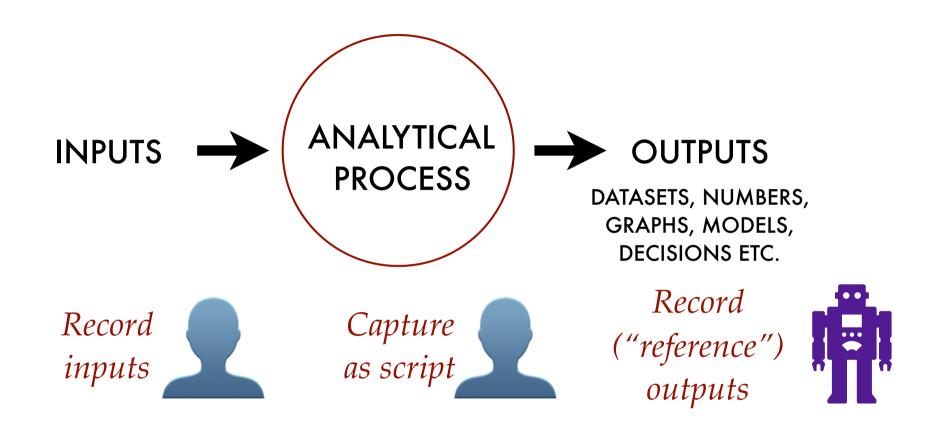
Life's too short to write tests

My outputs include stuff that changes

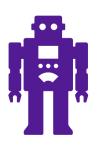
Introducing Artie



REFERENCE TESTS

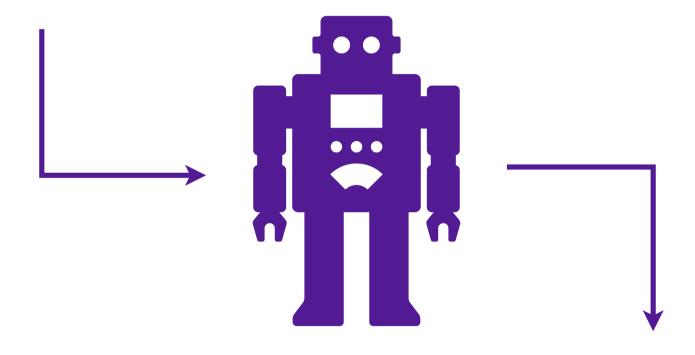


Develop a verification procedure (diff) and periodically rerun: do the same inputs (still) produce the same equivalent outputs?



ARTIF

sh classify.sh



test script test_sh_classify_sh.py reference outputs ref/sh_classify_sh

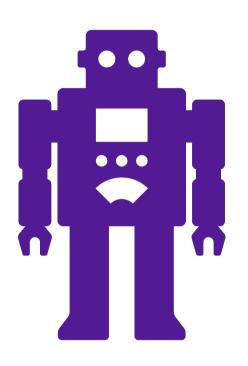
Really?

ARTIE

stdout stderr exit code file system changes environment (path, date, ...) differences between runs

intelligent decisions about how and what to test

We'll show you Artie next month!





njr@StochasticSolutions.com



http://tdda.info



https://github.com/tdda



#tdda*

* tweet (DM) us email address for invitation Or email me.



@tddaO @njrO@StochasticSolns



pip install tdda

Error of interpretation: Letter "Oh"

