Tidymodels:

Adventures in rewriting a modeling pipeline

Ryan Timpe

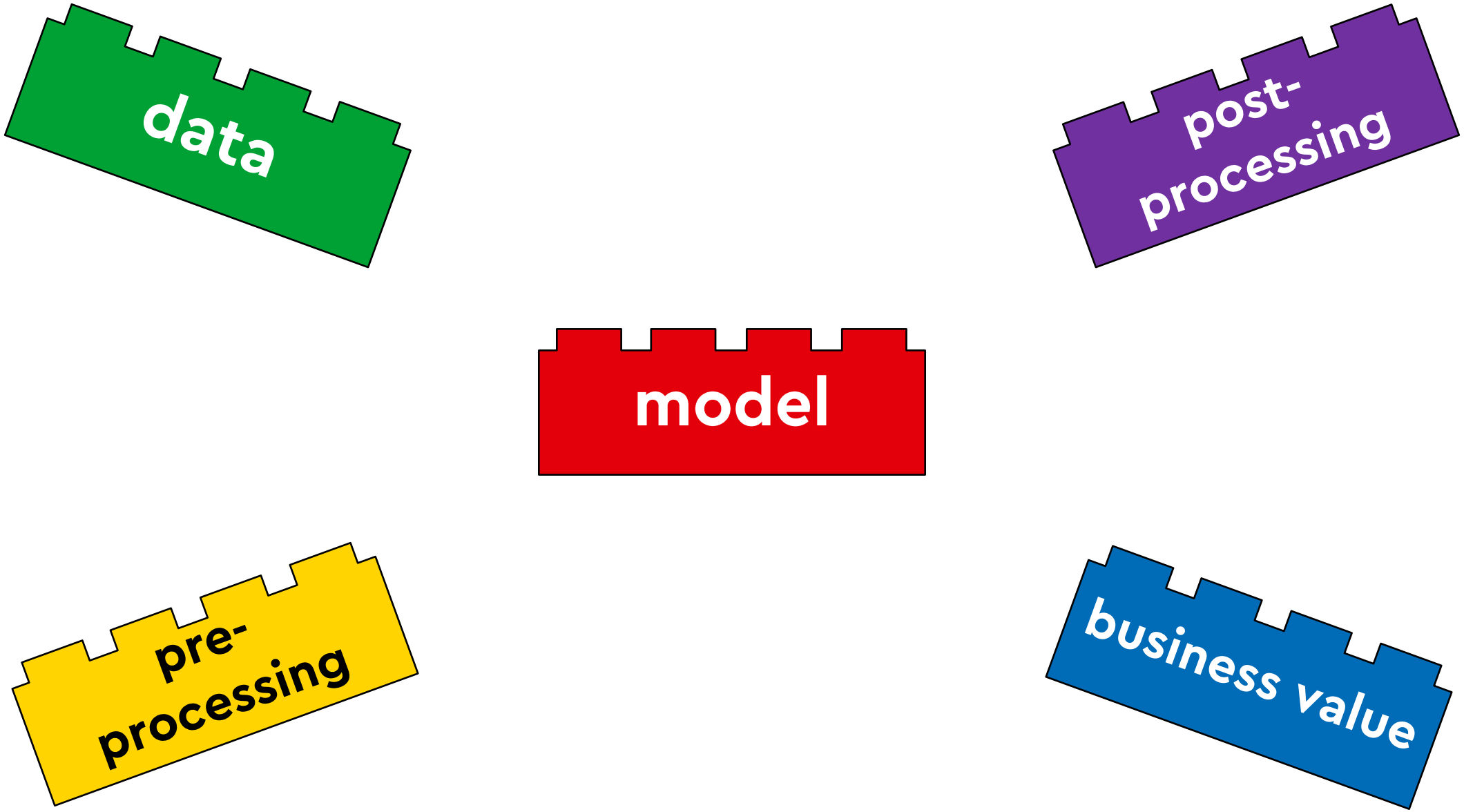
ryantimpe.com

Questions?

pos.it/slido-CD

Tidymodels:

a building adventure


data
post-
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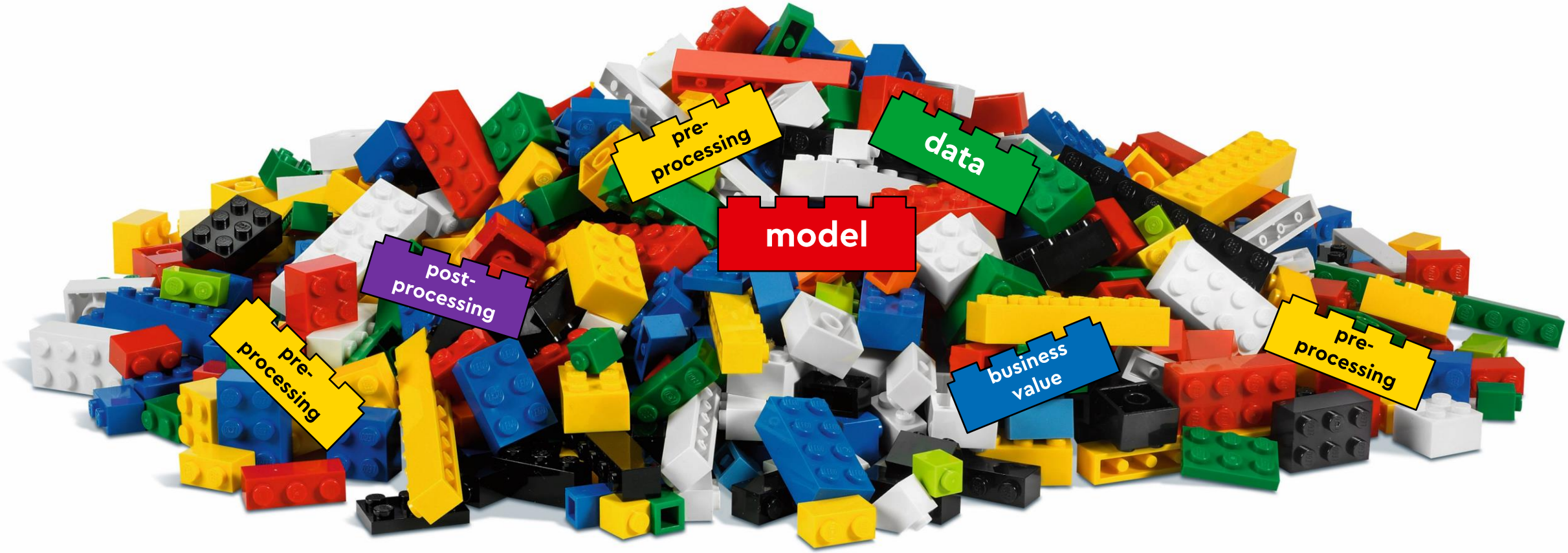
business value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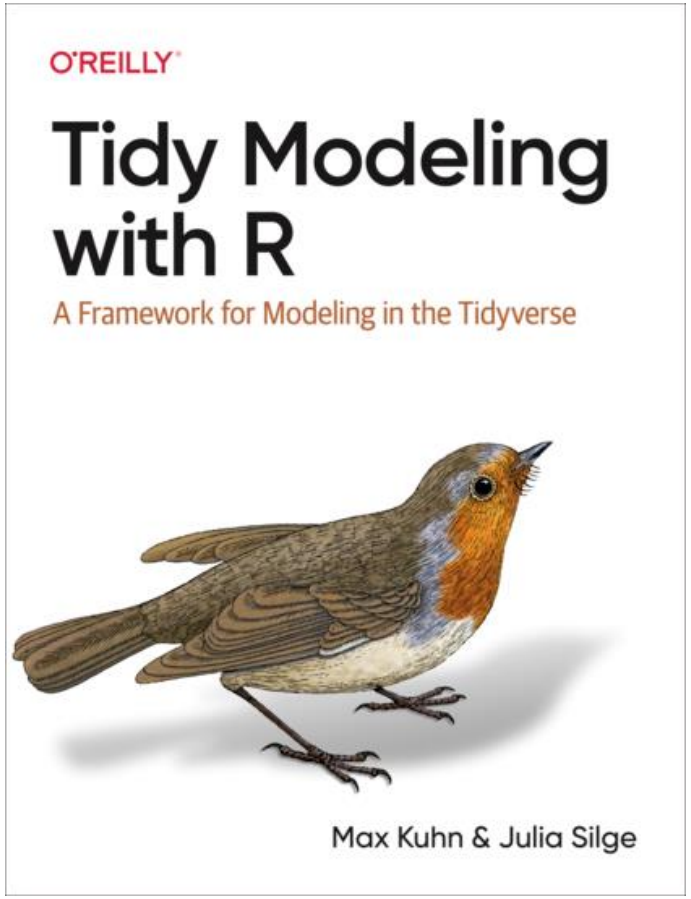

tmwr.org

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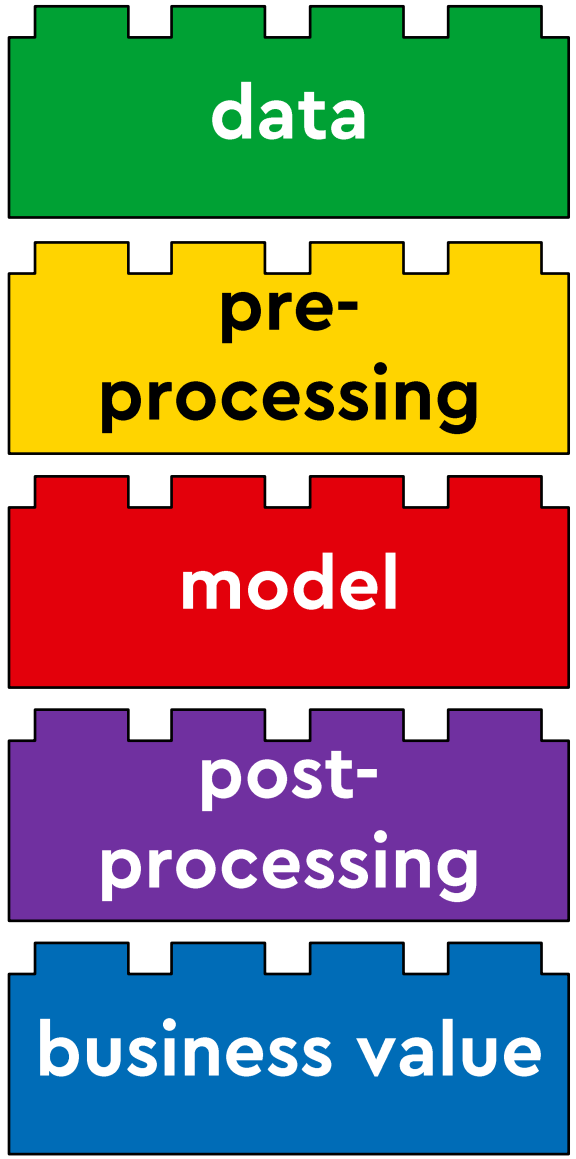

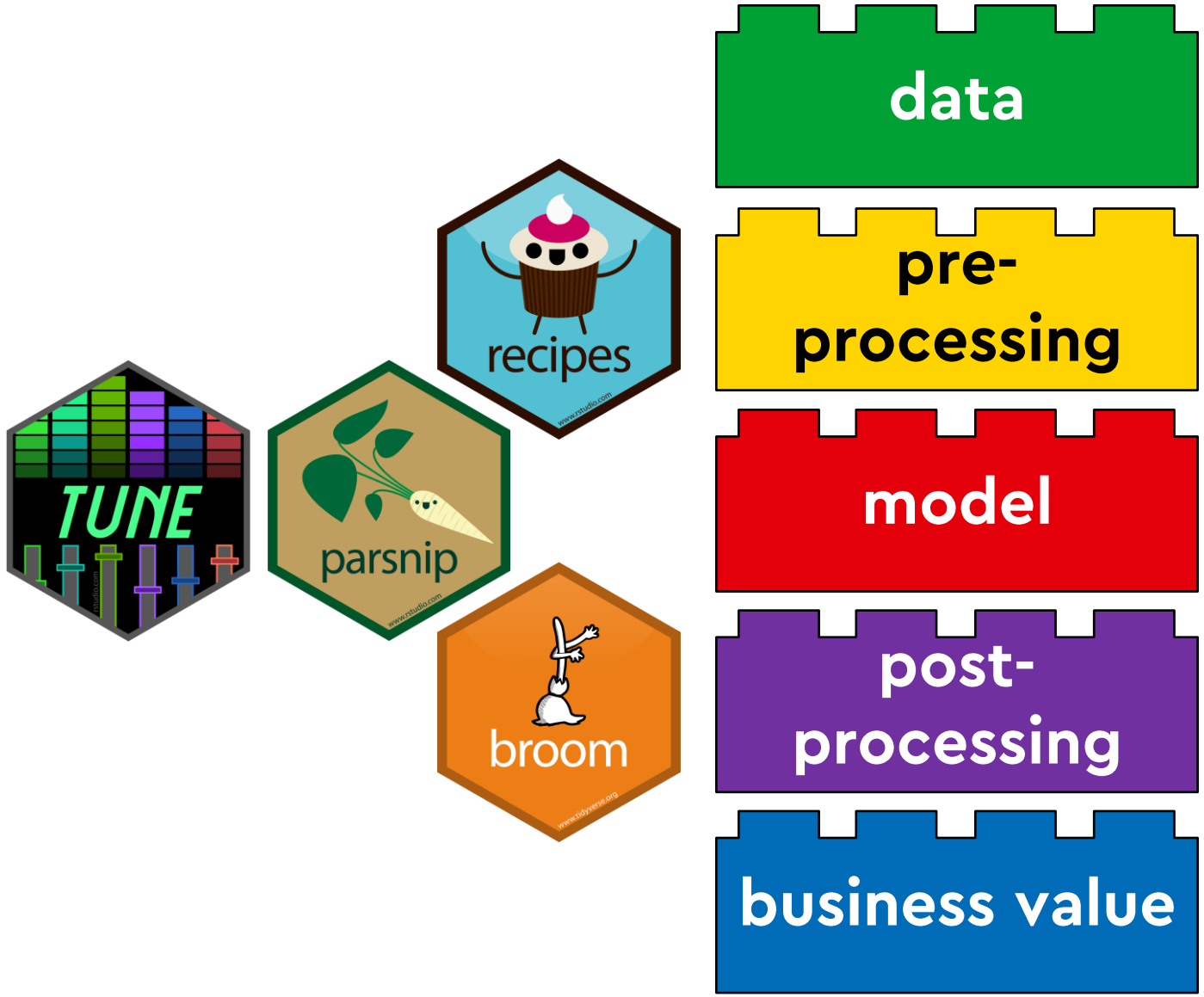
TUNE
parsnip
recipes
broom
data
pre-
processing
model
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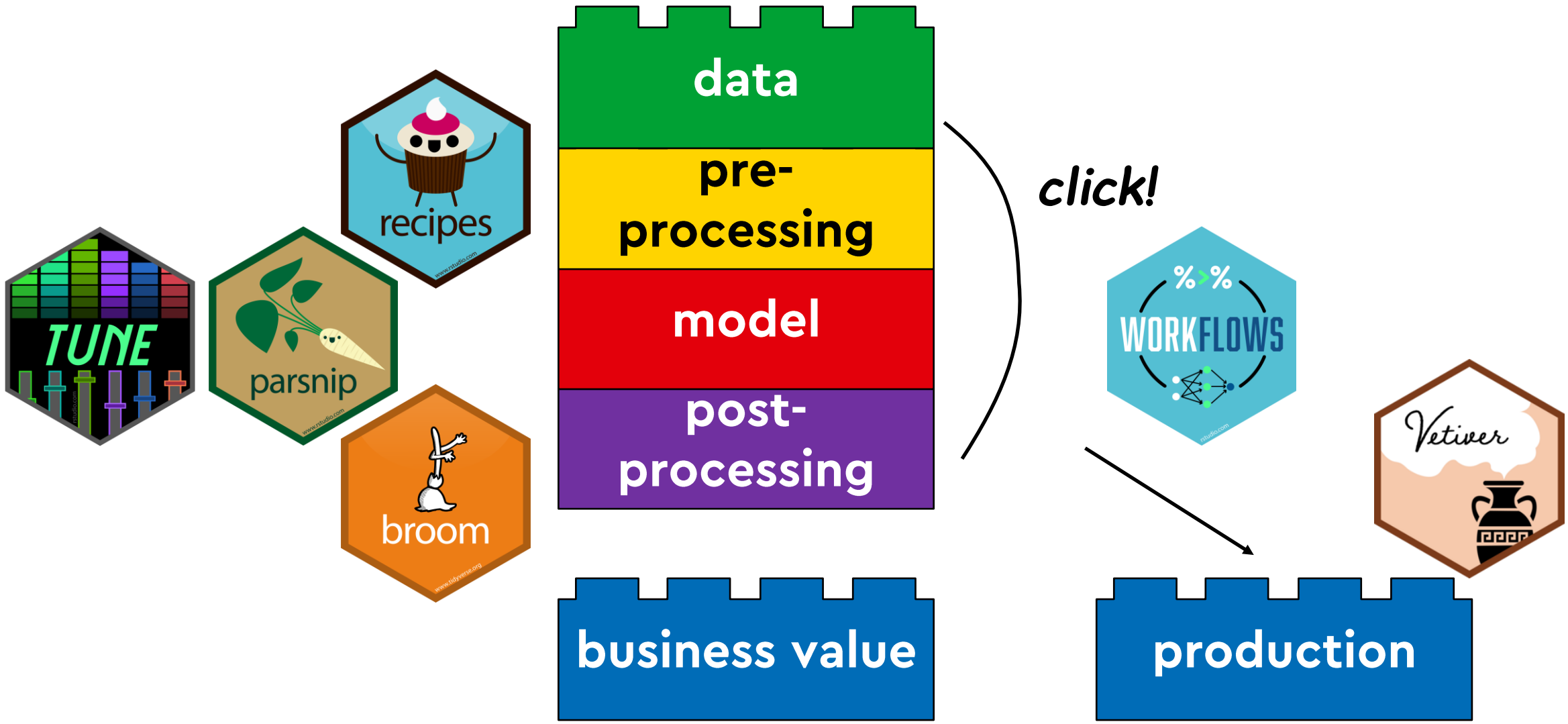
processing
business value


recipes
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click!
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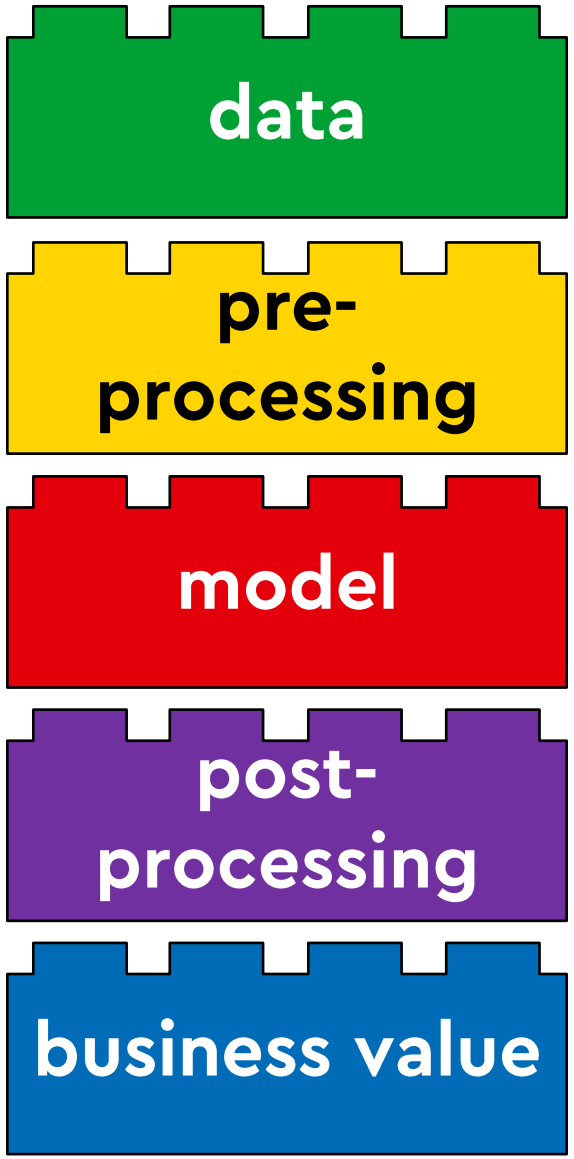
WORKFLOWS
Vetiver
production


data
pre-
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business value

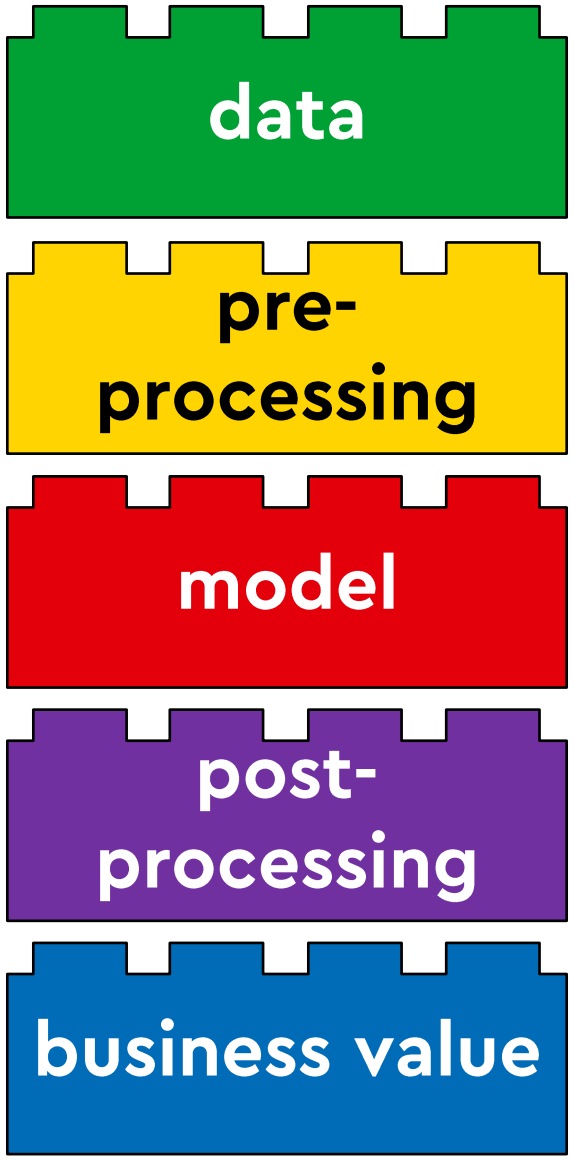
Tidymodels:

an unexpected adventure

PART II

Open source

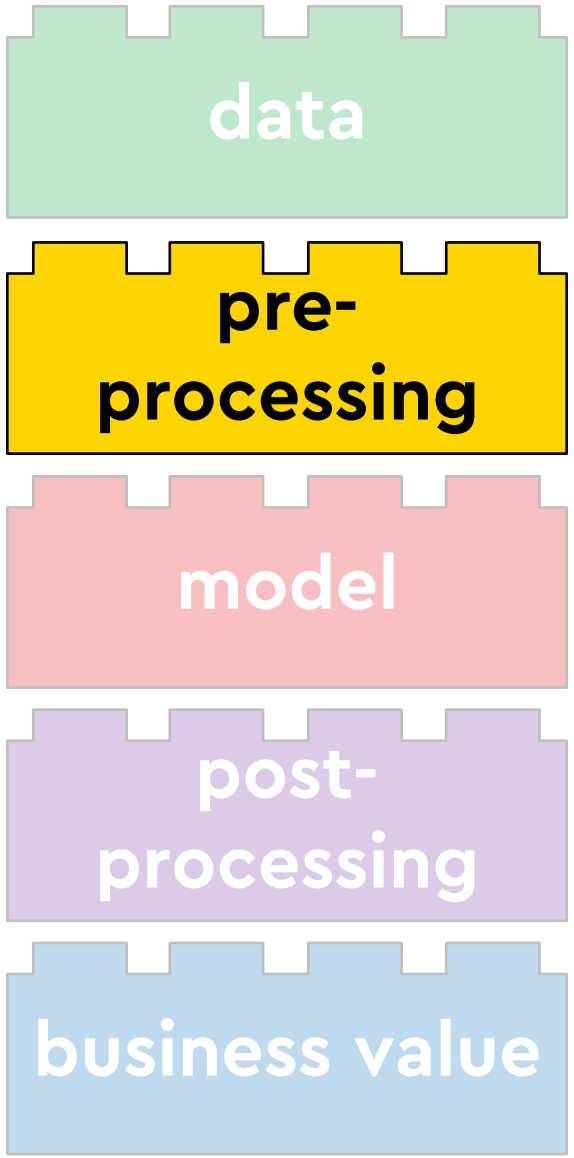
LEGO® value-add



Open source

```
recipe()
step_date()
step_dummy()
step_zv()
step_normalize()
```

LEGO® value-add



Custom step_*() functions

```
step_carryover()
step_diminish()
```

Open source

LEGO® value-add

data	Data selection
pre-processing	Custom step_*() functions
model	Better specification
post-processing	Relating models to reality
business value	Stakeholder support

speed gains

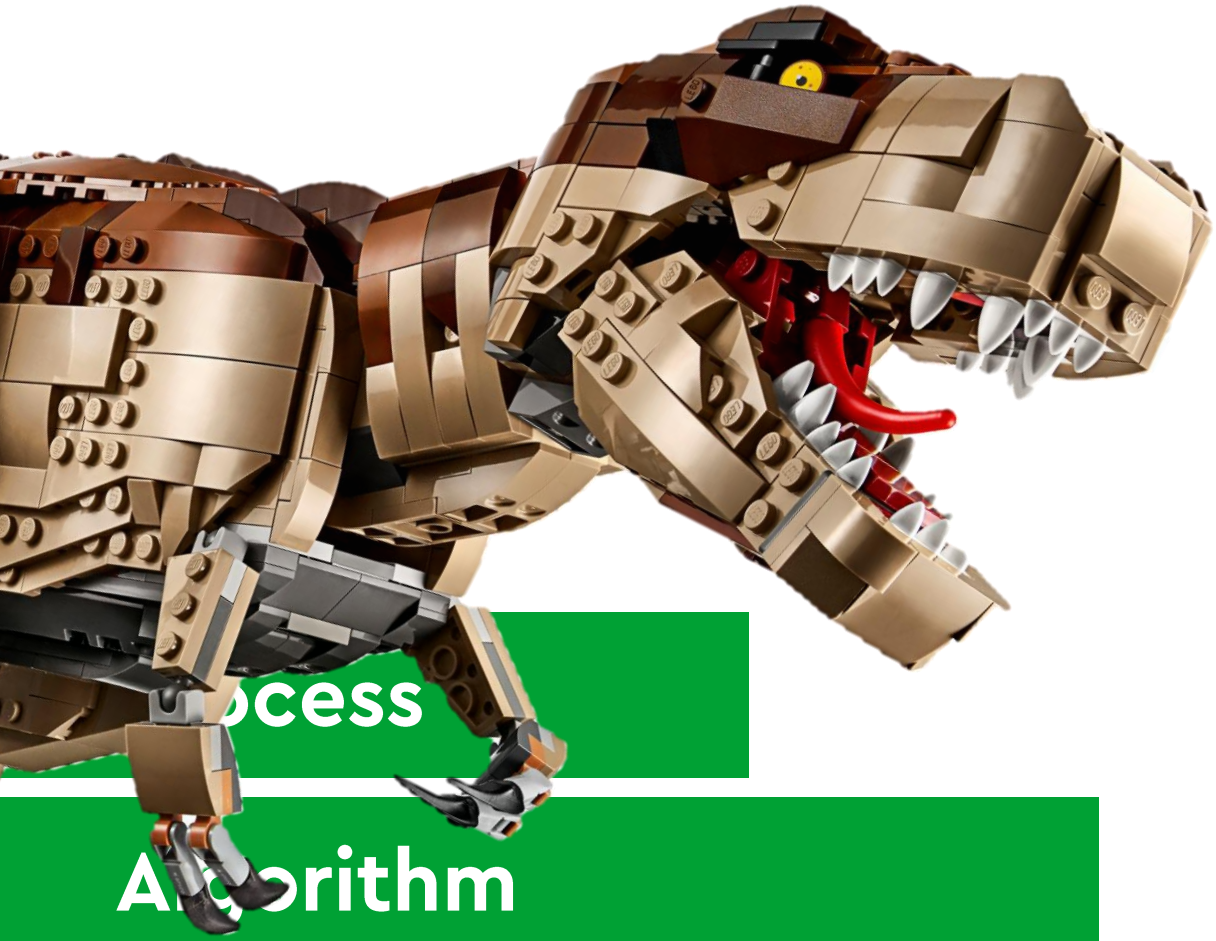
Process

Algorithm

Ways of working

LEGO® value-add

benefits



costs

ocess

Algorithm

Ways of working

LEGO® value-add

benefits

Tidymodels:

a stealth adventure

PART III

new stakeholder value

- Better models
- Faster, more frequent updates
- Ability to automate
- Answer more complex questions
- And more!

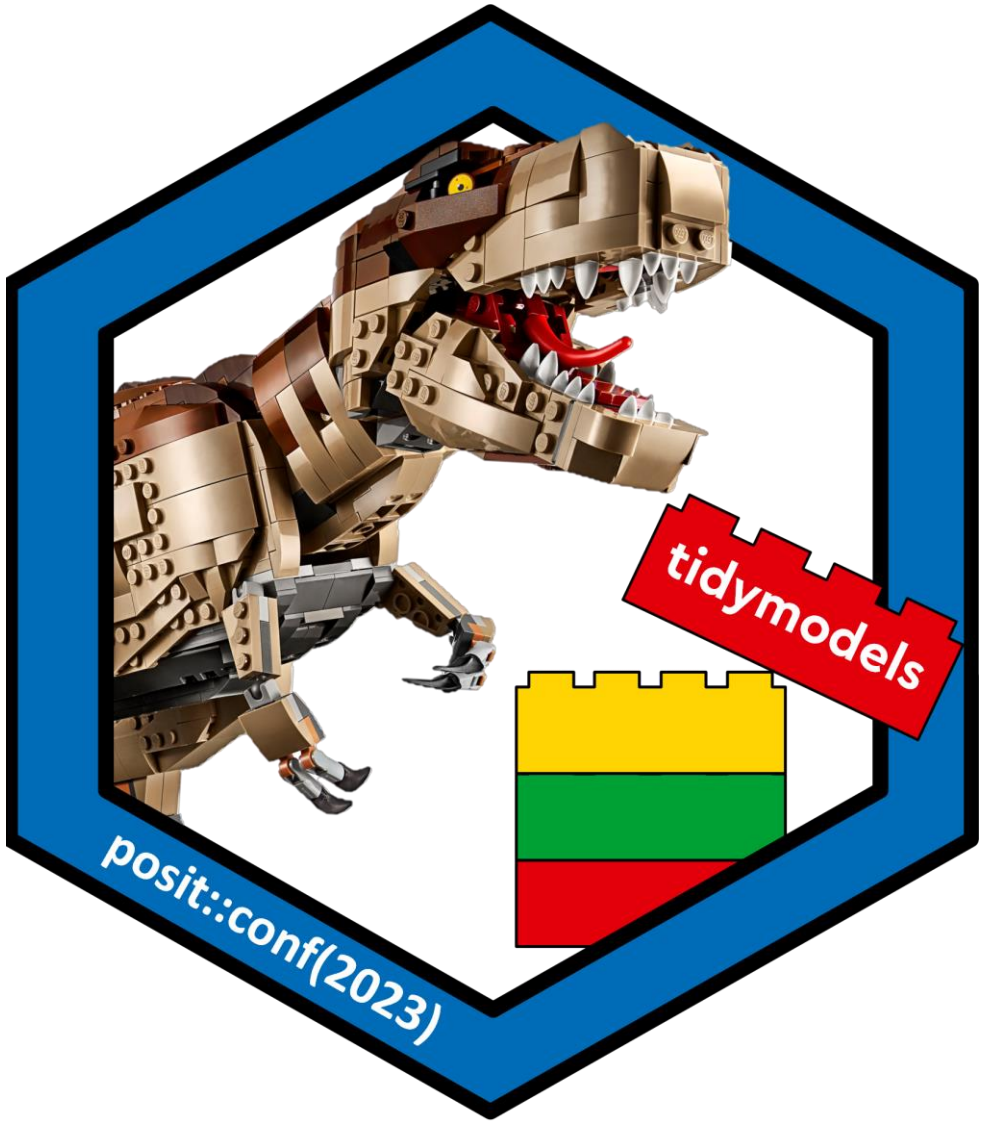
Tidymodels:

Adventures in

embracing change

Questions?

pos.it/slido-CD



Ryan Timpe