

COMMUNITY DRIVEN DATA SCIENCE IN INSURANCE #USER2019

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RStudio, Kasa AI (kasa.ai)

TL;DR: GET INSURANCE FOLKS TOGETHER
TO DO **RESEARCH** IN THE OPEN, CREATE
SOFTWARE AND WORKFLOWS, AND
DEVELOP **EDUCATIONAL MATERIALS**.

WOULDN'T IT BE
NICE IF...

We had open source
state-of-the-art
individual claims
forecasting models
that people can
easily adopt for
their own data so
they can do reserving
and claims analytics
better?

WOULDN'T IT BE
NICE IF...

We addressed the
interpretability
issues of ML models
for ratemaking and get
regulators on board so
we can charge more
accurate premiums?

WOULDN'T IT BE
NICE IF...

We had end-to-end
tutorials for
pricing/reserving with
realistic messy data
for onboarding new
actuaries/data
scientists?

OR, SOLVING COMMON PROBLEMS

TOGETHER SO WE HAVE MORE RESOURCES

TO FOCUS ON OUR OWN UNIQUE

PROBLEMS

Data
scientist /
software
engineer



TOGETHER?
WHO?



Actuary

“Business
stakeholders”

GitHub
slack





KASAAI is a new open source community dedicated to making insurance analytics even more fun!

* Kasa = Japanese for *umbrella*. Because insurance.



LOSS MODELLING
FRAMEWORK

SHOUT OUTS/INSPIRATIONS

Yeah if you could stop divulging trade secrets



That would be great

ONE DOES NOT SIMPLY

START USING GIT

A close-up, front-facing shot of Morpheus from the movie The Matrix. He is bald, has a serious expression, and is wearing his signature black sunglasses. The background is a blurred, dimly lit interior. The text is overlaid in white, bold, sans-serif font.

WHAT IF I TOLD YOU

I DON'T WORK FOR FREE

CURRENT CHALLENGES

- Insurance companies typically don't like to share
- Actuaries have some catching up to do in terms of data science/software engineering
- Slow ramp up due to limited resources (nights and weekends of a few people)

<< Insert inspirational quote about how nice things don't come easily >>

Make the world a better place



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