



Jumping Rivers Ltd



@jumpingrivers@fosstodon.org

**Jumping
Rivers**

Validation as an (open-source)

Service

Colin Gillespie



Almost ex-academic
Co-founder of Jumping Rivers
20+ years of reading data into R



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Shiny Conference, 2025

Drop by our booth

Confession Time

We always get asked

Can we trust this package?

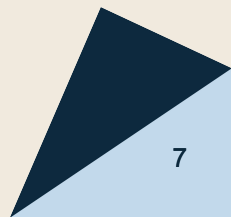
Confession Time

- Wave hands
- Waffle about CRAN

Confession Time

- Wave hands
- Waffle about CRAN
- Common sense
- Change topic

Can we trust “this” R package?



Can we trust “this” R package?

It depends on your **risk appetite**

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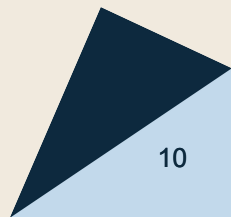
It depends on your **risk appetite**

So

Do you feel lucky, Punk?*

*I realise most people won't get this reference.
Ask your seniors for context.

Risk Appetite



Risk Appetite



Risk Appetite



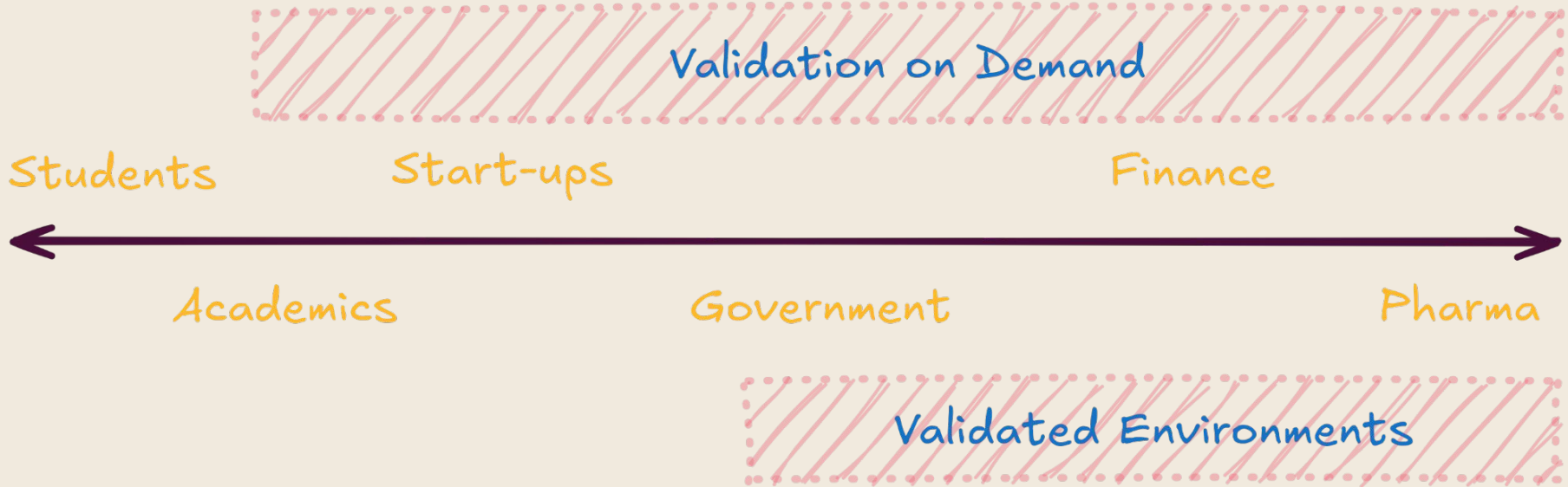
Risk Appetite



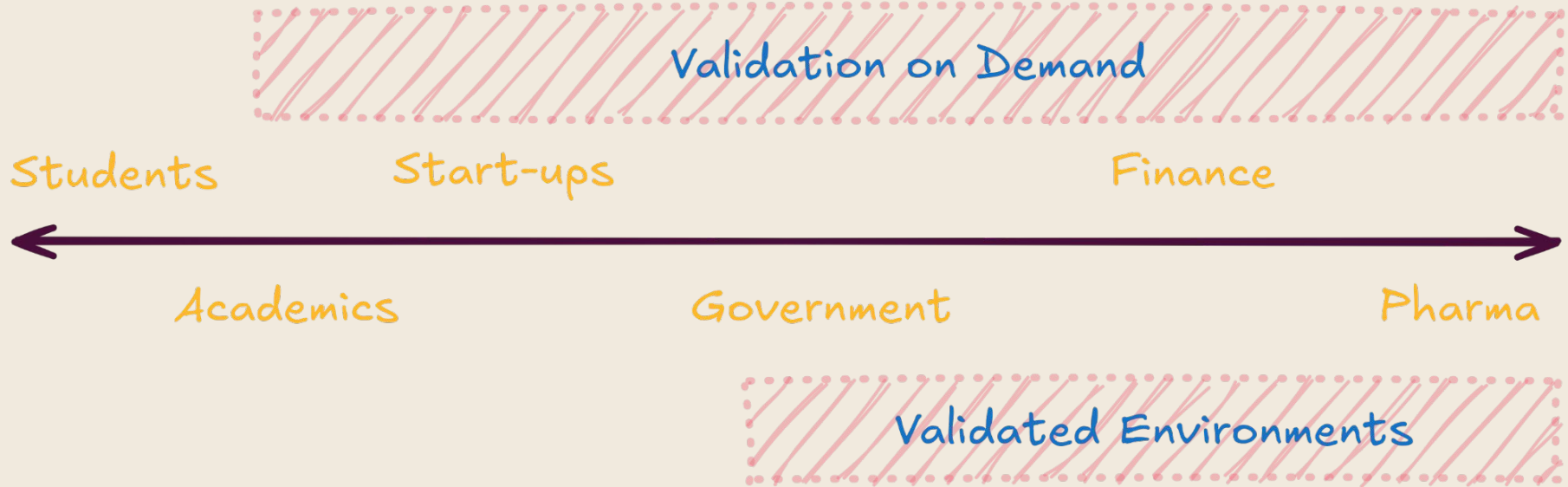
Risk Appetite



Risk Appetite



Risk Appetite



Where is the NHS on this graph?

Risk Appetite



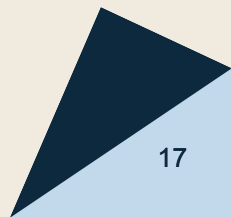
Students

Start-ups



Academics

Hands up for NHS on this side



Risk Appetite

JR

Hands up for NHS on this side

Validation on Demand

Finance

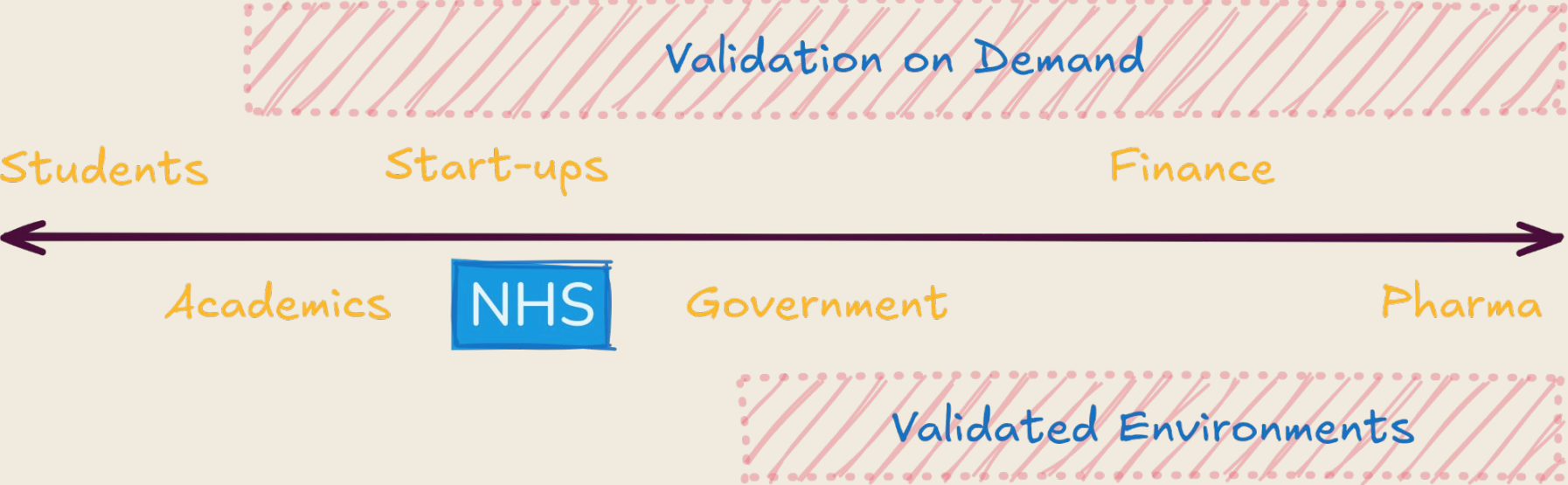


Government

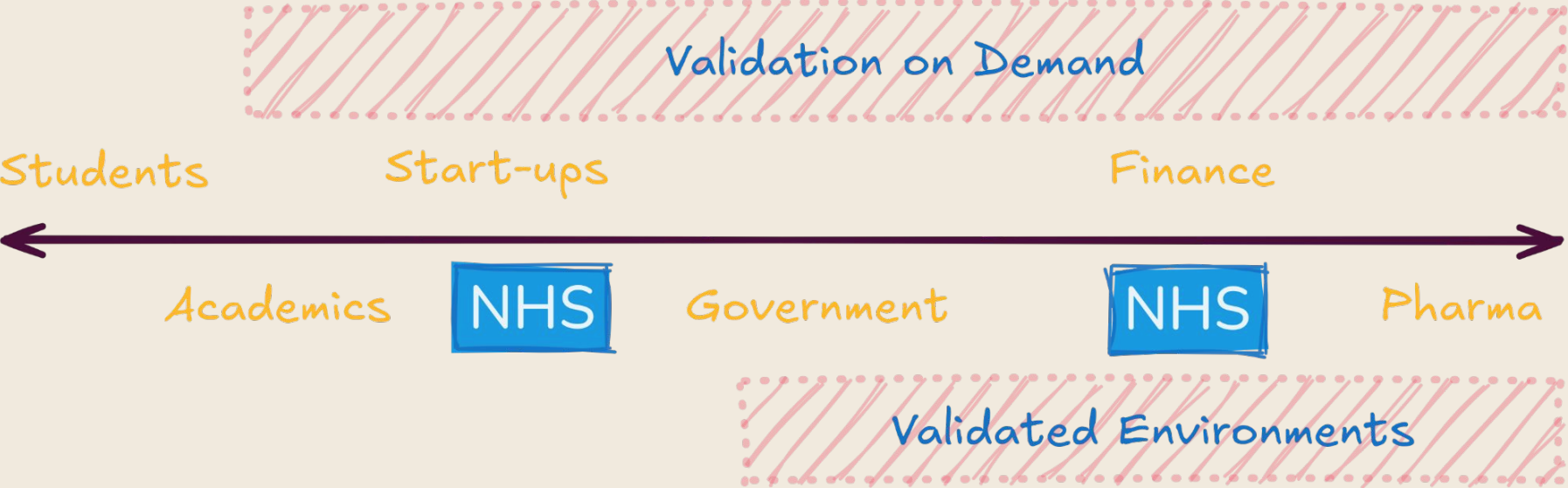
Pharma

Validated Environments

Risk Appetite



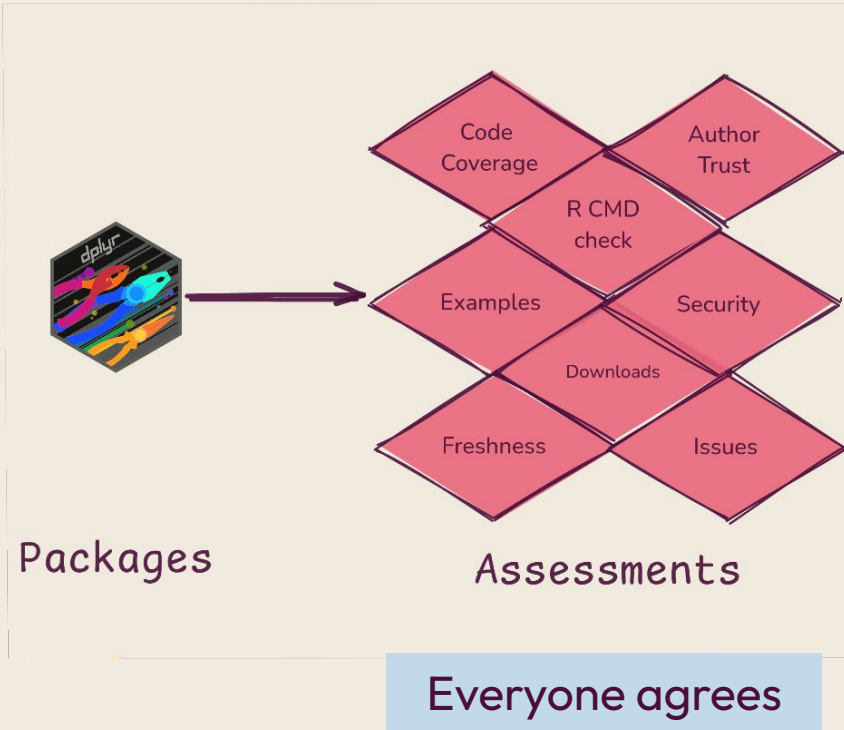
Risk Appetite

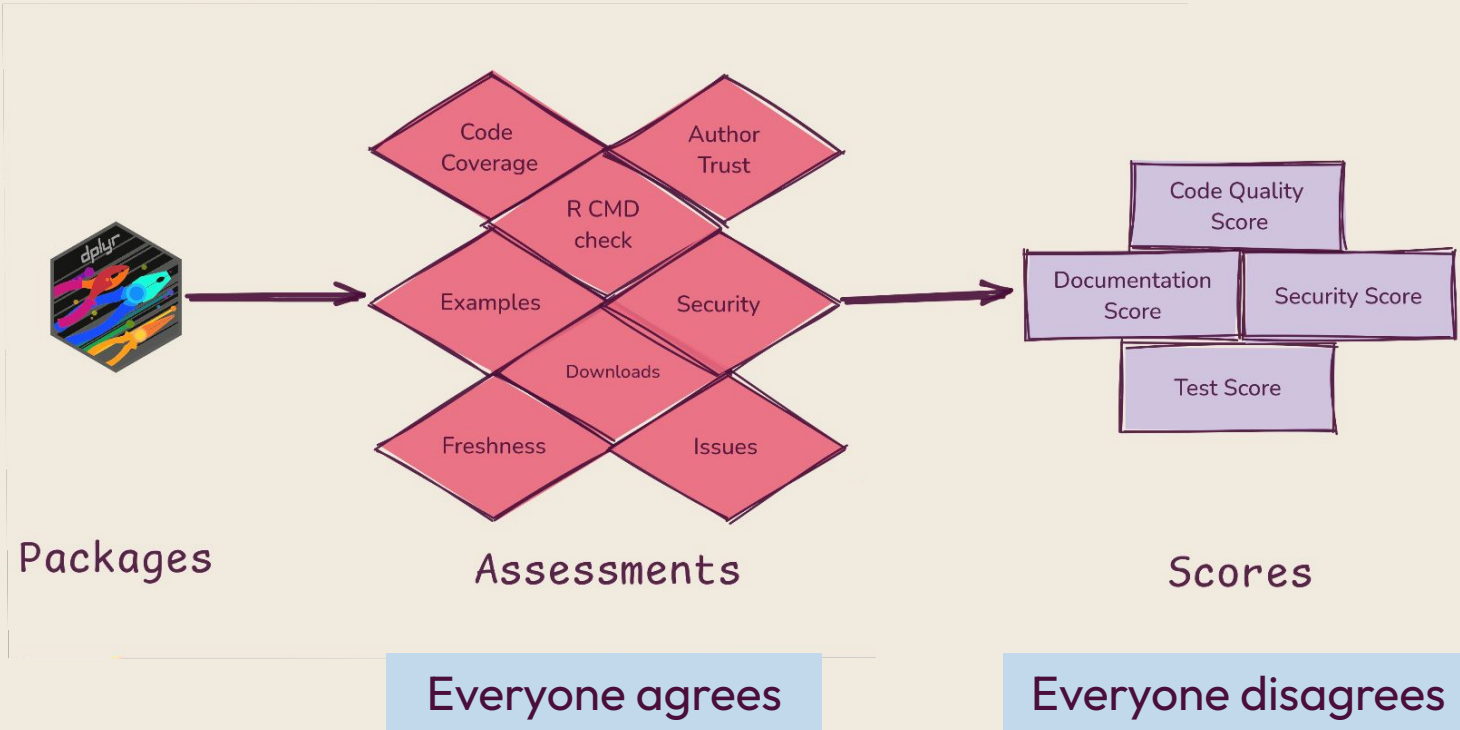


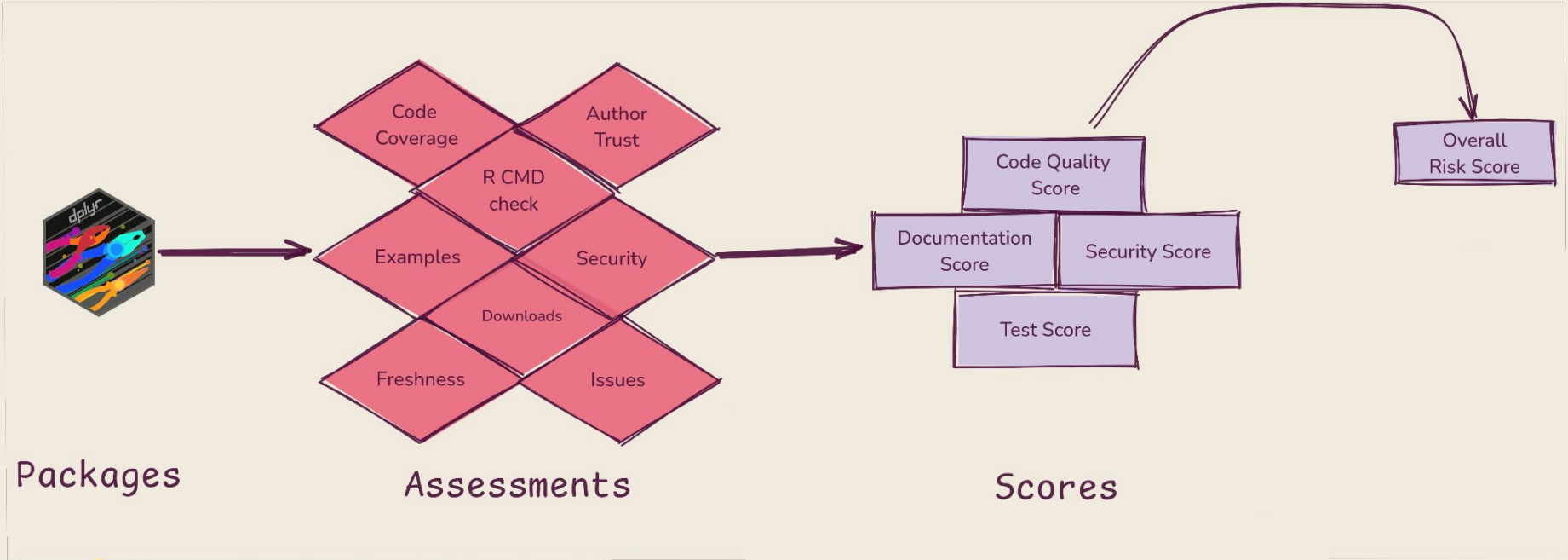
Package Risk

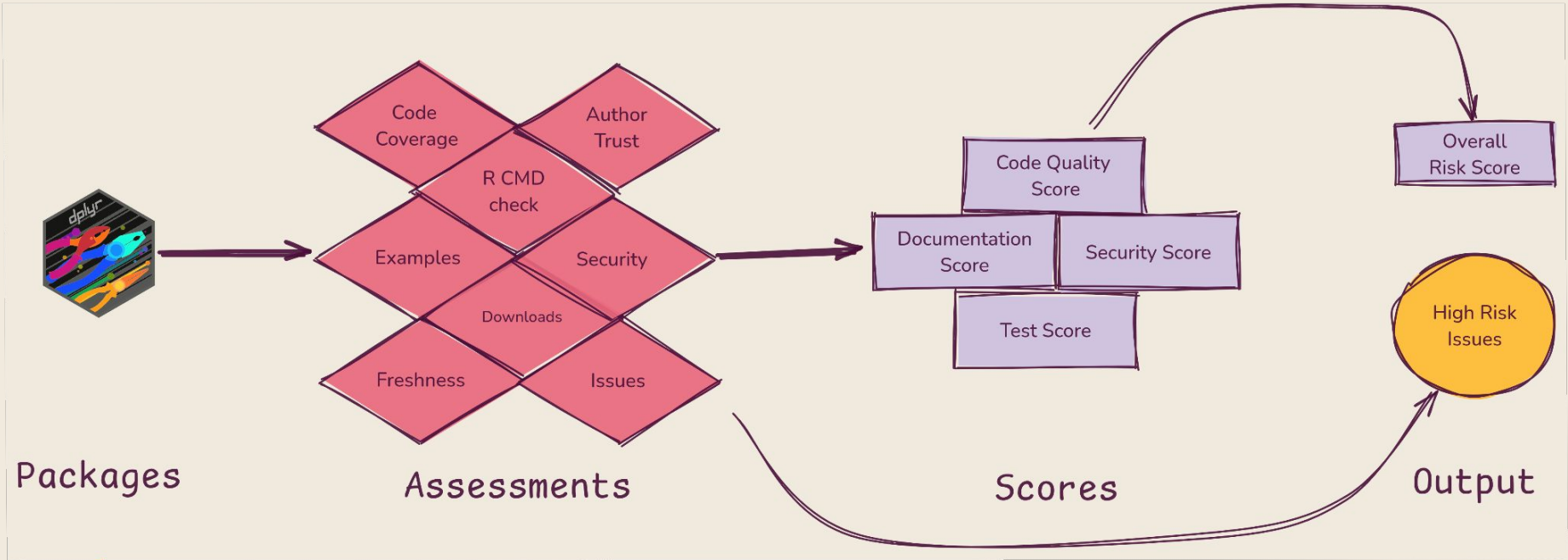


Packages









Do you feel lucky, Punk?

Luck has nothing to do with it

The {litmus} framework (big picture)

- {litmus}: Provides assessments
- {litmus.scores}: Scoring functions

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 - Vulnerability scanners, ...
- {litmus.app}: Interface to 1000's of assessments

The {litmus} framework (big picture) (Early 2025)

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- {litmus.containers}: Ubuntu (Pro), RHEL, etc.
 - Vulnerability scanners, ...
- {litmus.app}: Interface to 1000's of assessments
- {litmus.remediation}: Tests, documentation, etc..

Questions: colin@jumpingrivers.com