

Minimizing Academic Failure in Higher Education

The background of the slide is a deep blue gradient that transitions to a lighter blue and greenish hue towards the bottom right. Overlaid on this background is a complex network of thin white lines connecting small white dots, creating a geometric, crystalline or molecular structure that resembles a low-poly mesh or a network diagram.



Crafting a Reliable Model for Early Intervention

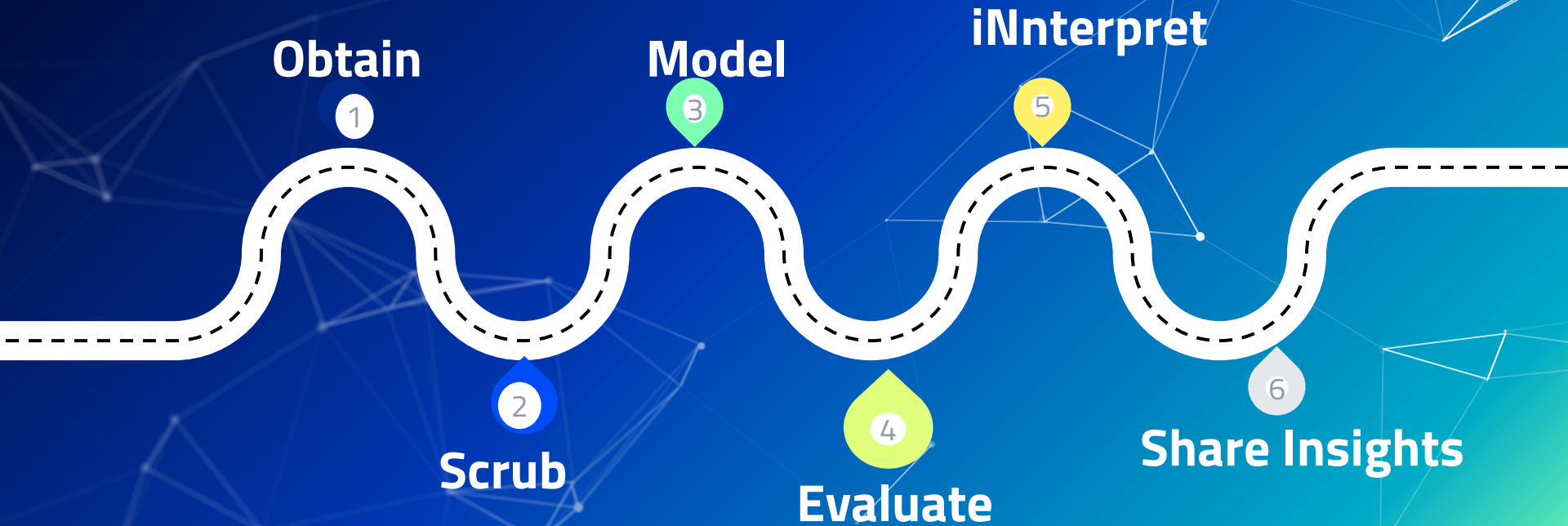
Goal: Use Machine Learning to Identify At-Risk Students Early



63.2% of US undergraduates
complete their degrees
within 6 years...

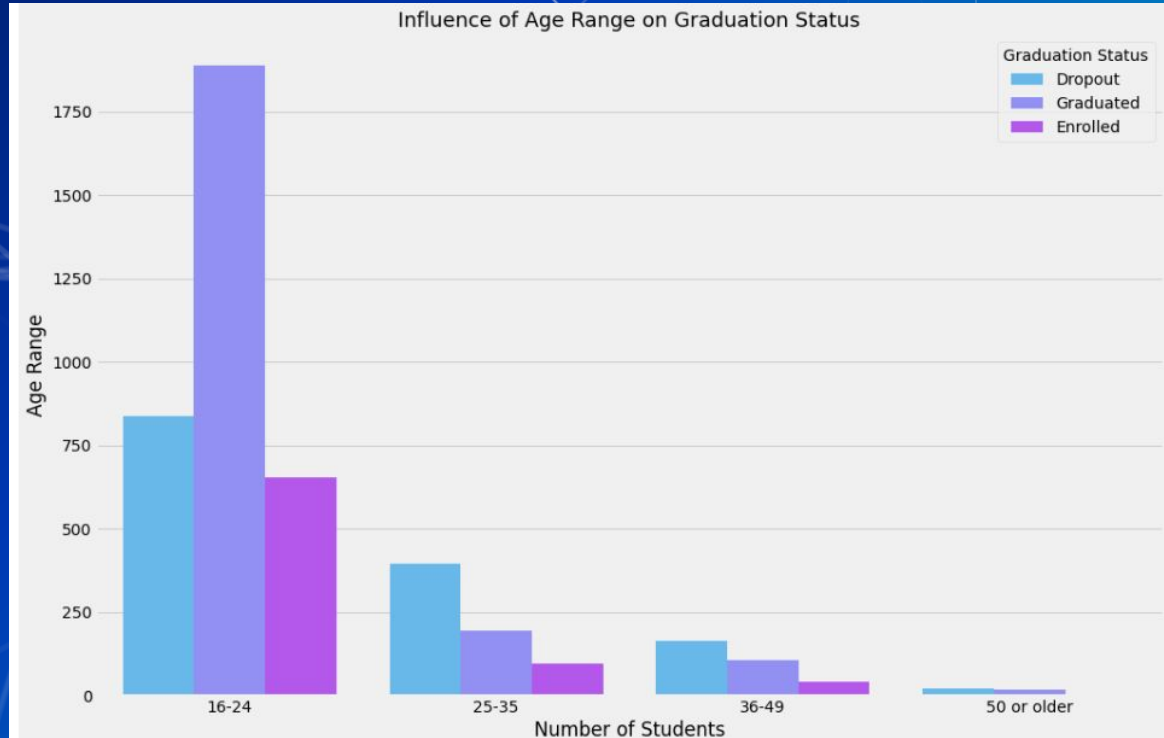
**- Hanneh Bareham and Chelsea Wing
(bankrate.com)**

Method



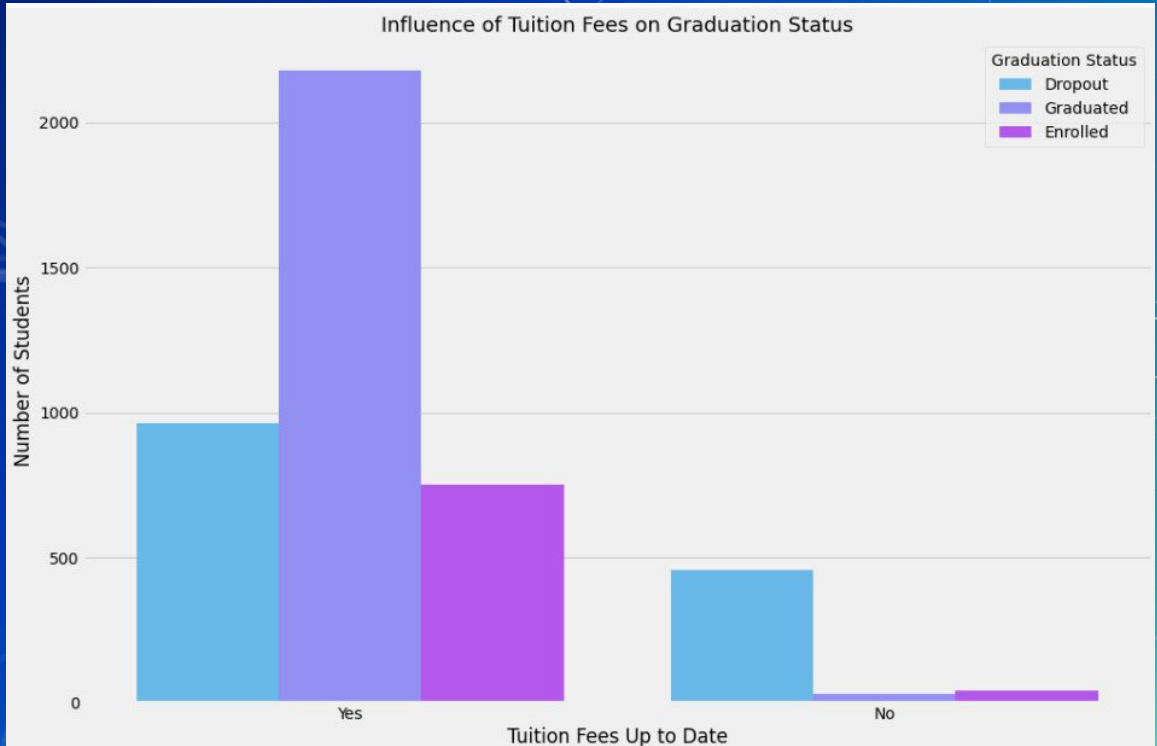
Age

- 25-35 age group excel
- 36+ age groups face higher dropout and lower graduation rates



Tuition Fees

Students with pending fees have higher failure rates.

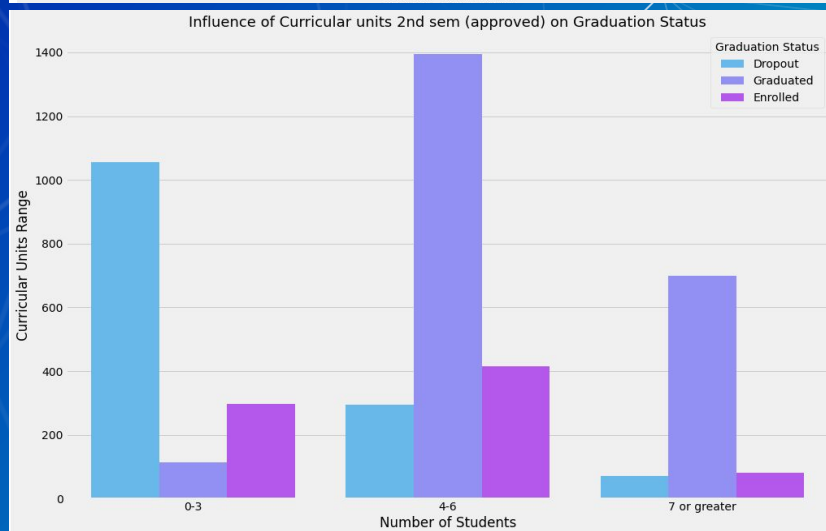
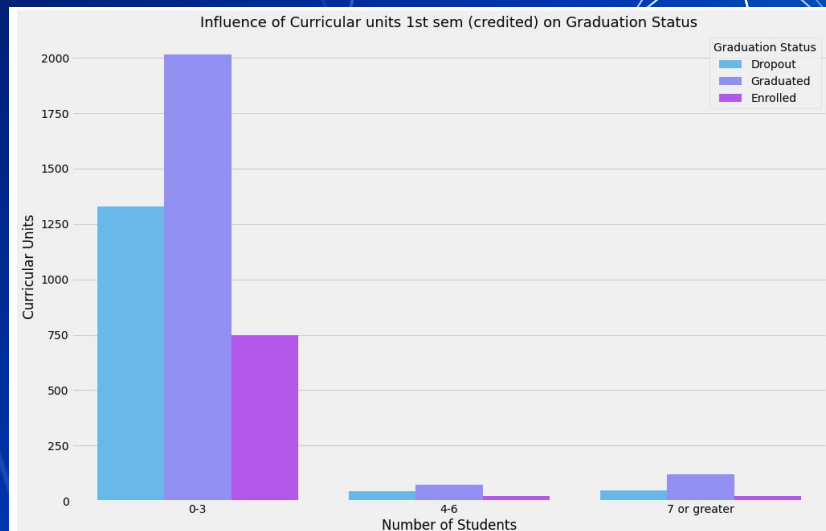


Curricular Units

Higher 1st and 2nd
semester units

=

greater chance of
academic success.



Recommendations

Monitor Tuition Payment\$

Make payment plans accessible to every student

Make early enrollment easy

And a lot of ways to enroll quicker, faster, easier

Provide academic support to older students > 24

Total success!

THANK YOU!

Any questions?

You can find me at

- Repo at:
https://github.com/dataeducator/student_academic_success/
- tenicka.norwood@gmail.com
- Presentation template by SlidesCarnival
- Photographs by Unsplash

