



Riiid AI Tutor

Student Performance Predictions

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Issues in Education

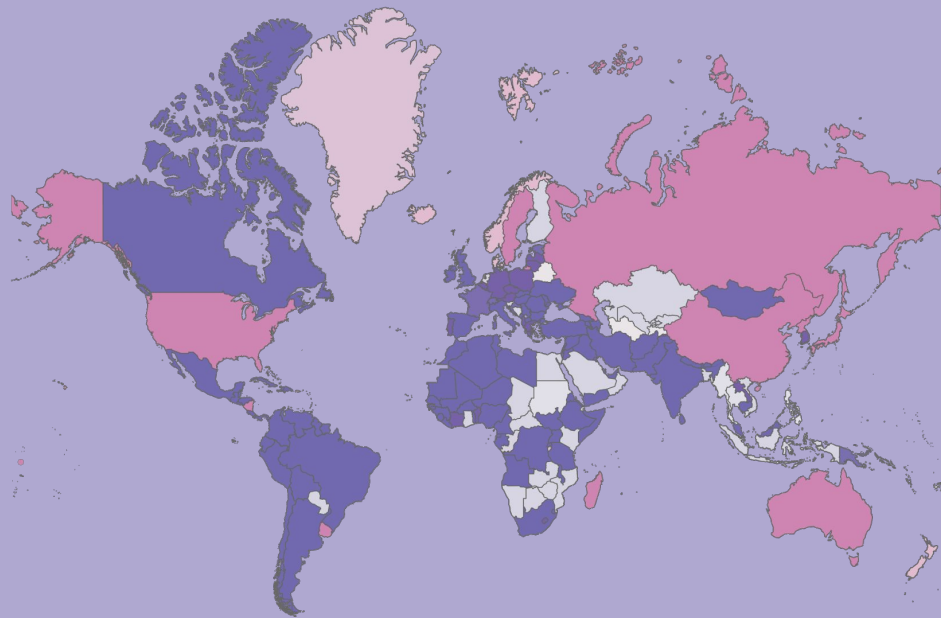
In 2018, 260 million children were not attending school

Over half of young students around the globe did not meet minimum reading and math standards



School Closure Due to COVID-19

May 2020



Status

- Academic break
- Closed due to COVID-19
- Fully open
- Partially open

© 2020 Mapbox © OpenStreetMap

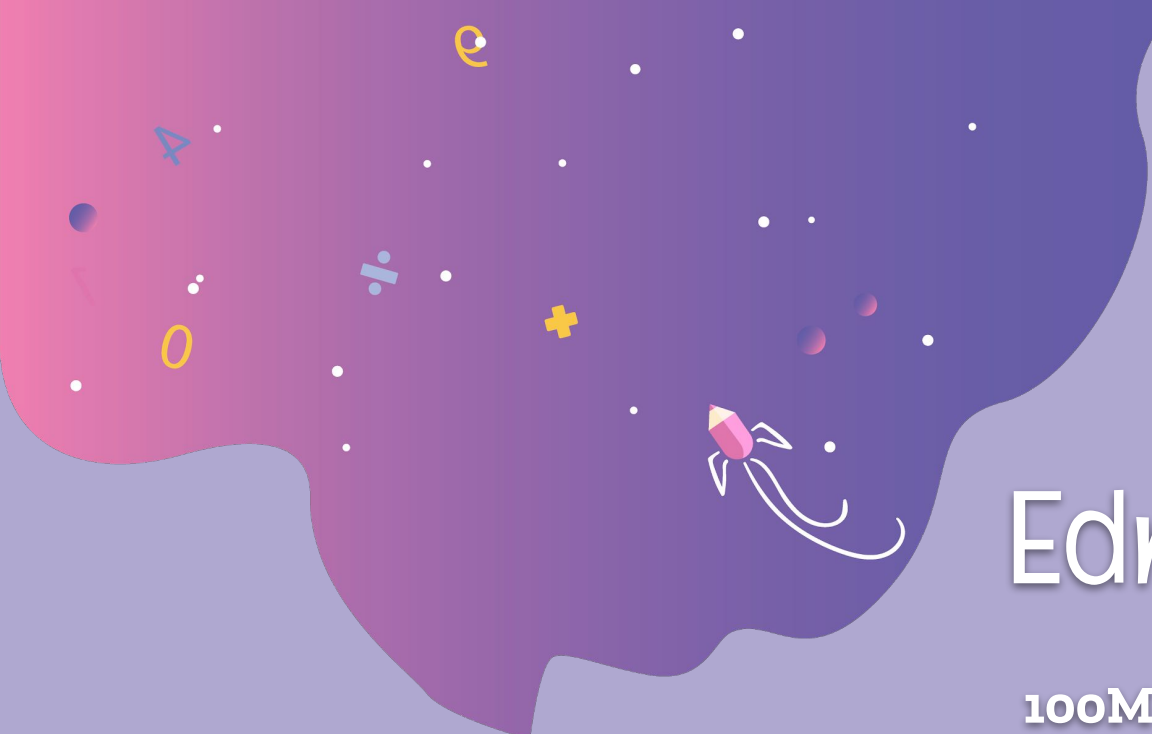
Map based on Longitude (generated) and Latitude (generated). Color shows details about Status. Details are shown for Country. The data is filtered on Date Month, which keeps May.

<https://www.unicef.org/>

Education with AI

- Artificial Intelligence can change the current education system
- Attendance, engagement, individualized attention
- Equal opportunity in education to anyone with an internet connection





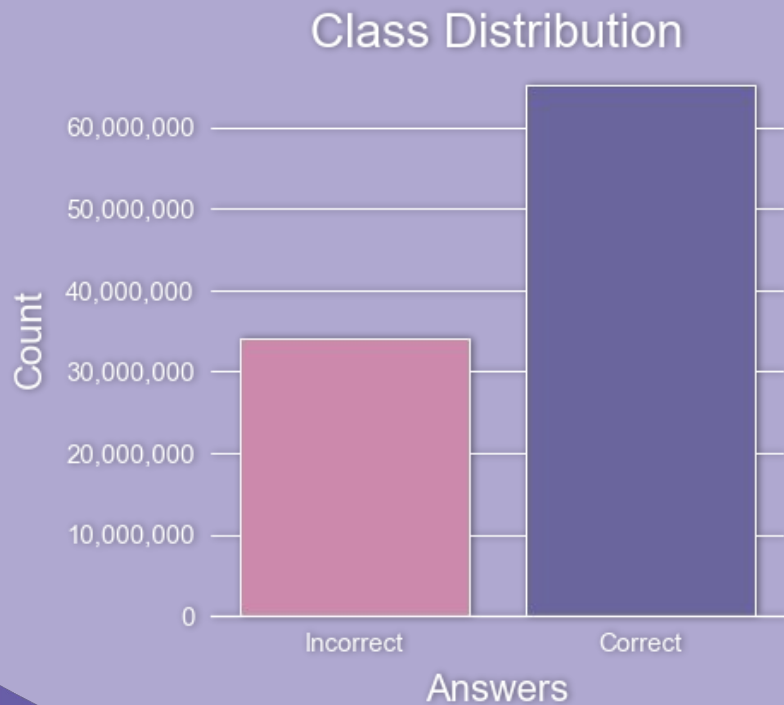
Ednet Database

100M+ Student Interactions

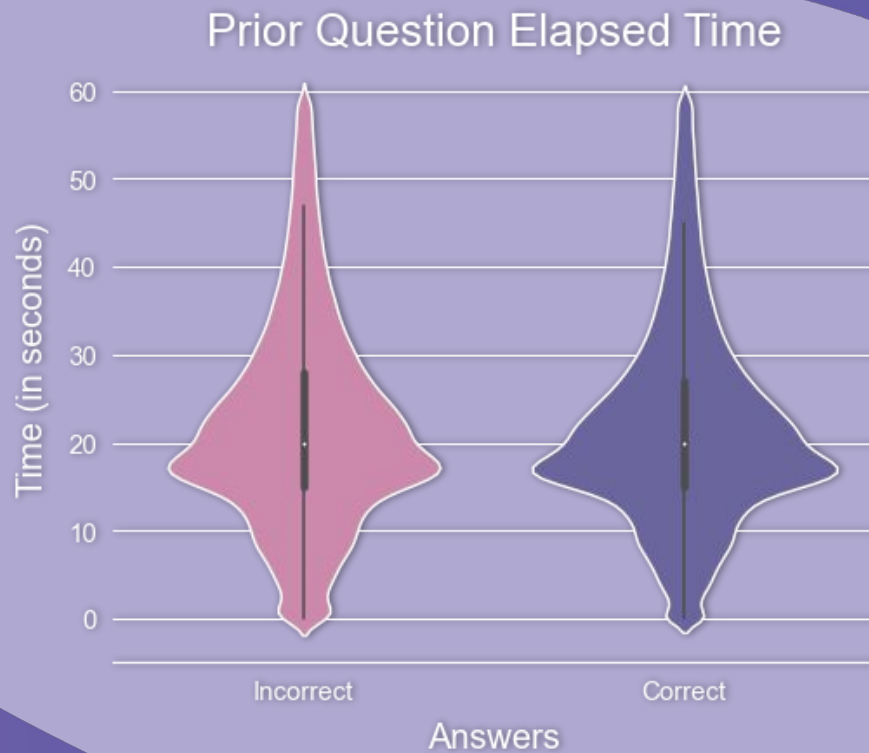
393,656 Students

13,523 Questions

Student Answers



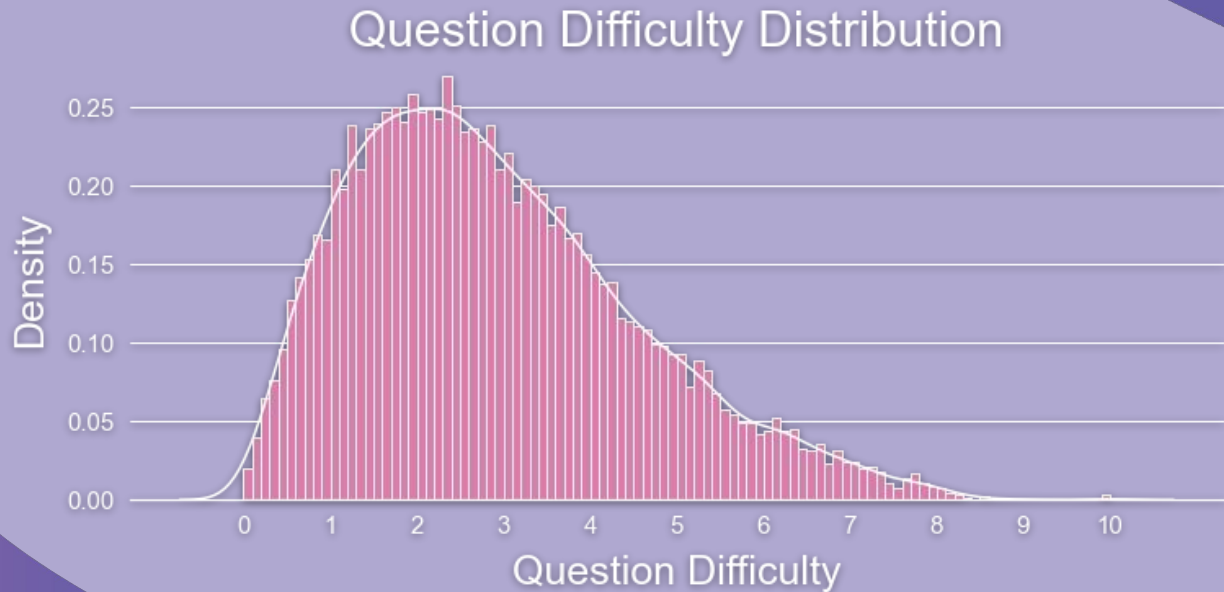
Features

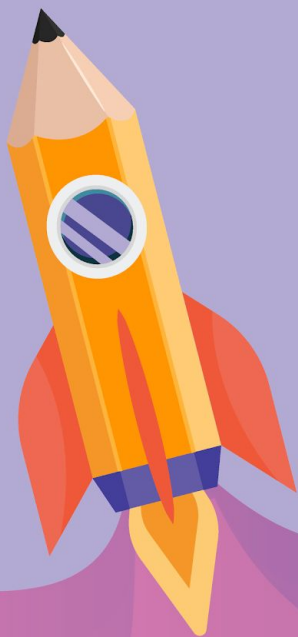


Features



Engineered Features



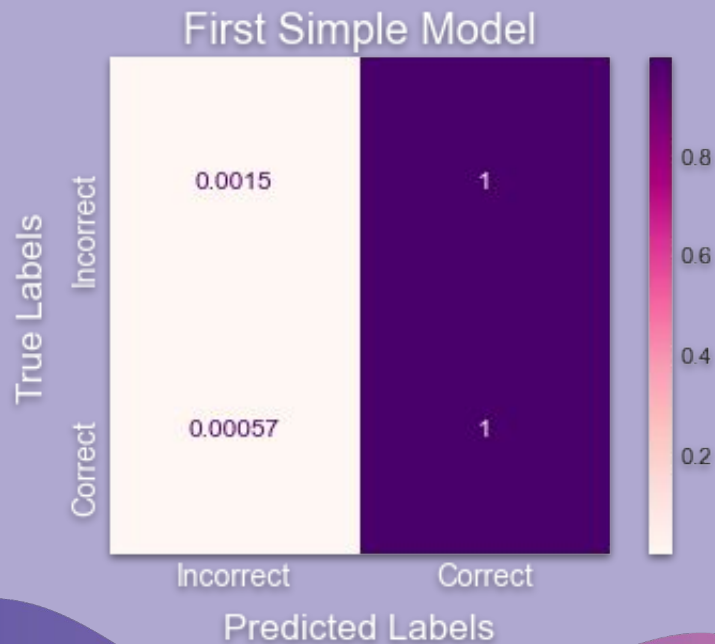


The Model

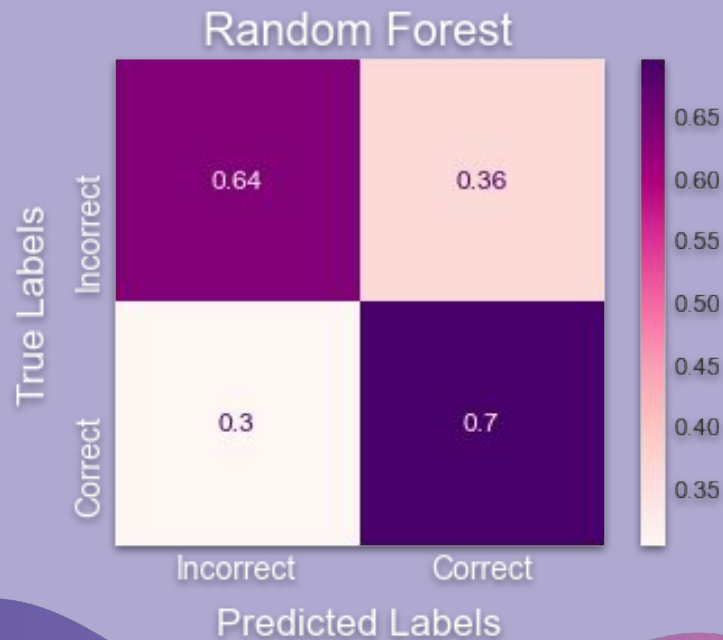
Random Forest

68% Accuracy

Confusion Matrix



Confusion Matrix



Conclusion

We can use these predictions to improve and prove the success of AI tutors.

AI tutors could be a much needed change in our education system





- ❖ Think of more Features to Engineer
- ❖ Fit More Data to Model
- ❖ Neural Network Model
- ❖ Web Deployment

Contacts

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