udemy

Predicting the Number of Subscriber for 10k Development Courses

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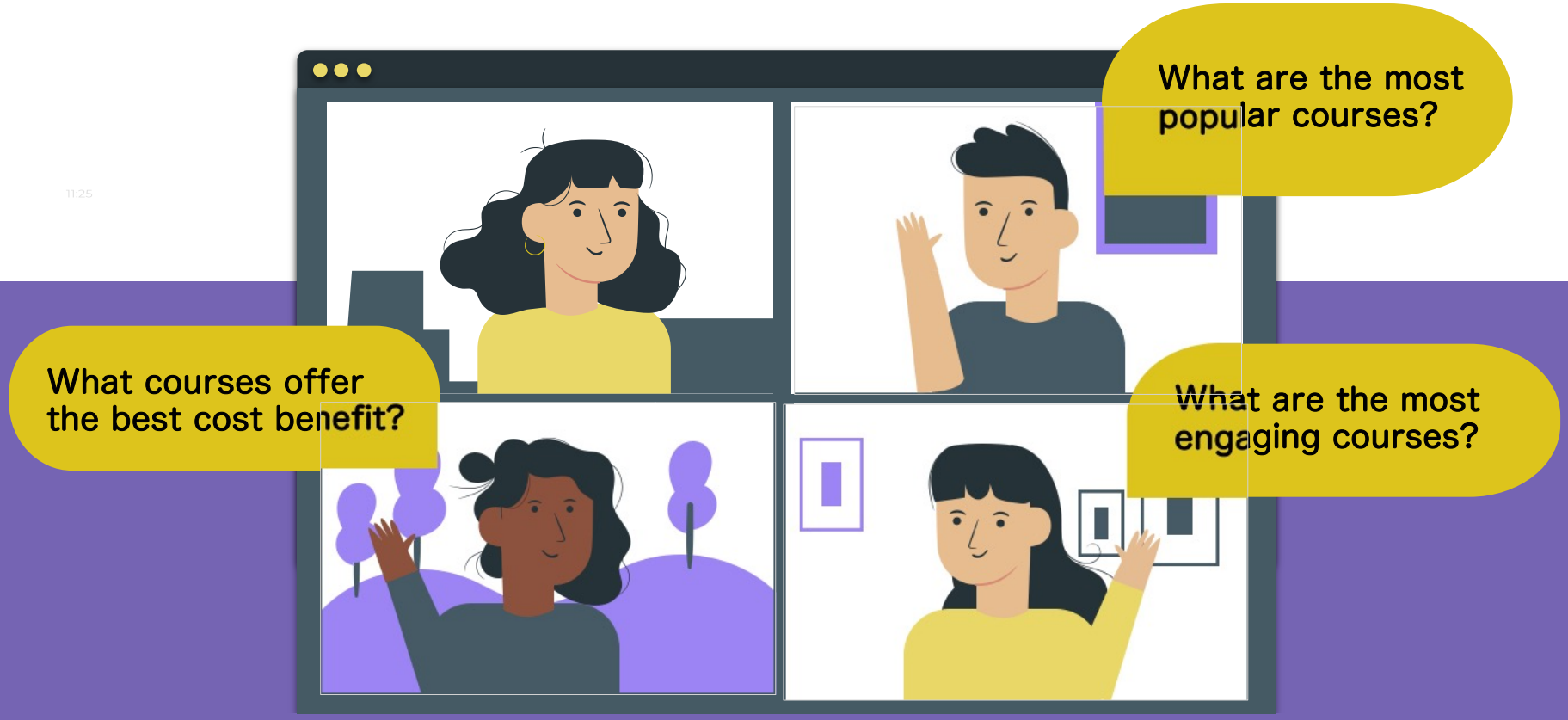
INTRODUCTION

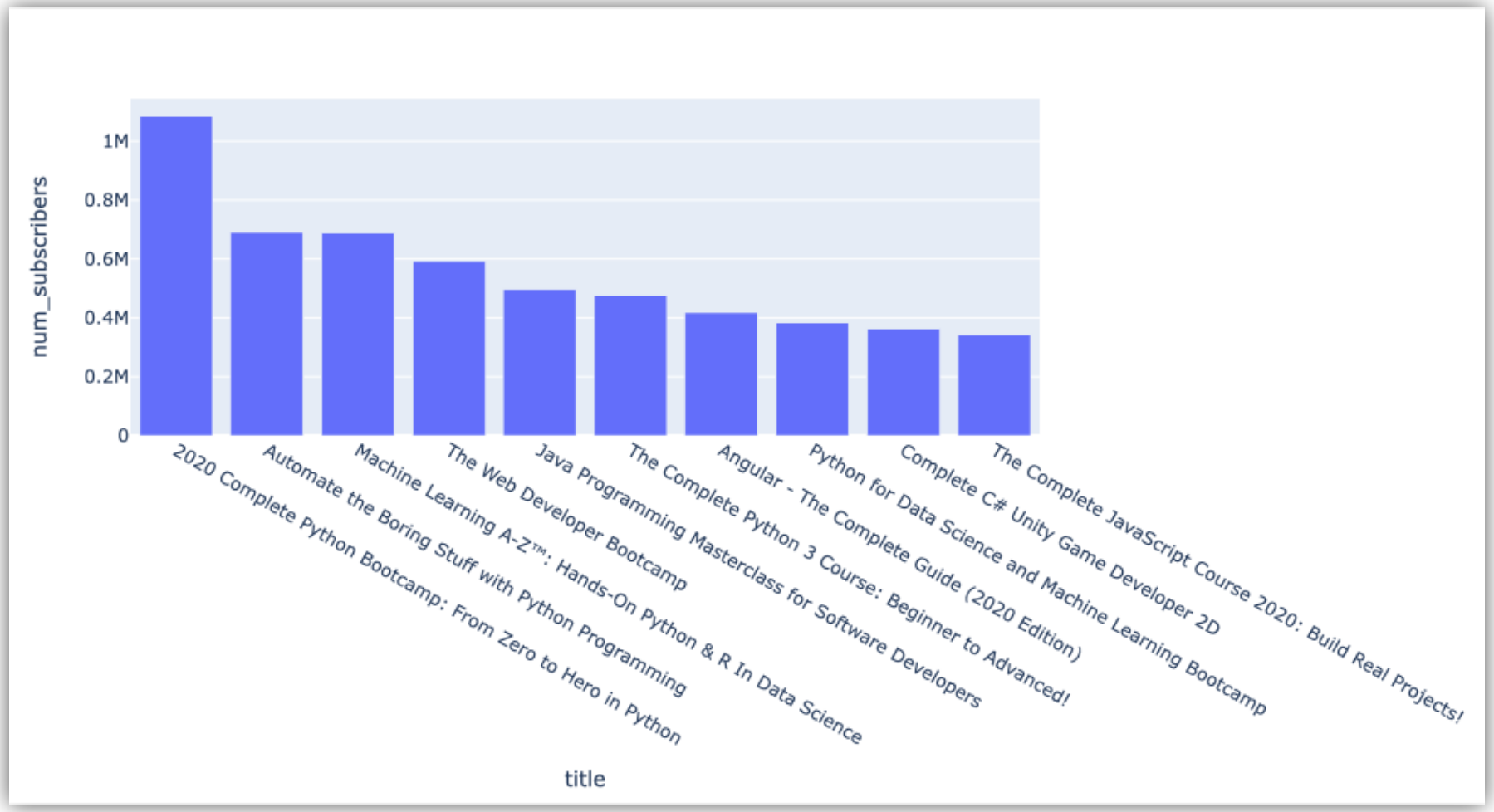
The last few years have seen an upward growth in the popularity of e-learning and e-learning methods. This has been possible due to our dependency on the digital lifestyle and the cost-effectiveness of the plans.

World had come face-to-face with the pandemic of Covid-19, the growth of e-learning has increased tenfold. From students to professionals, everyone is using digital mediums to add new skills to their knowledge .

Analyzing & Visualization



Most Popular Courses



Best Cost Benefit

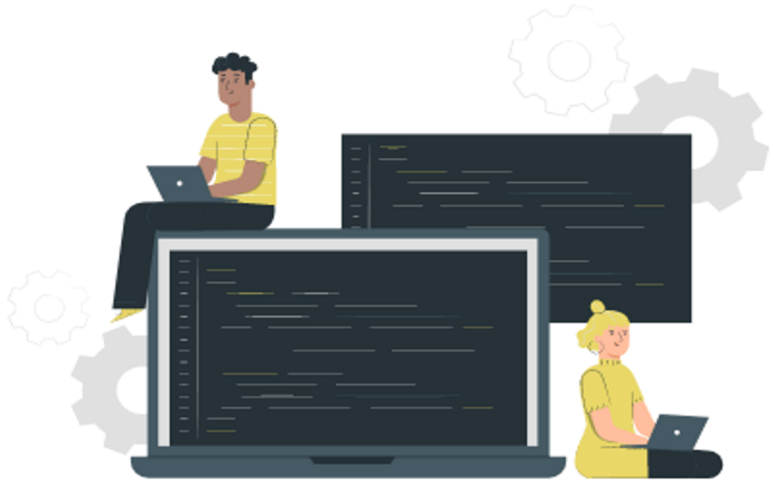
cost_benefit =

course price <=average course price

And number of subscriber >= average number of subscriber

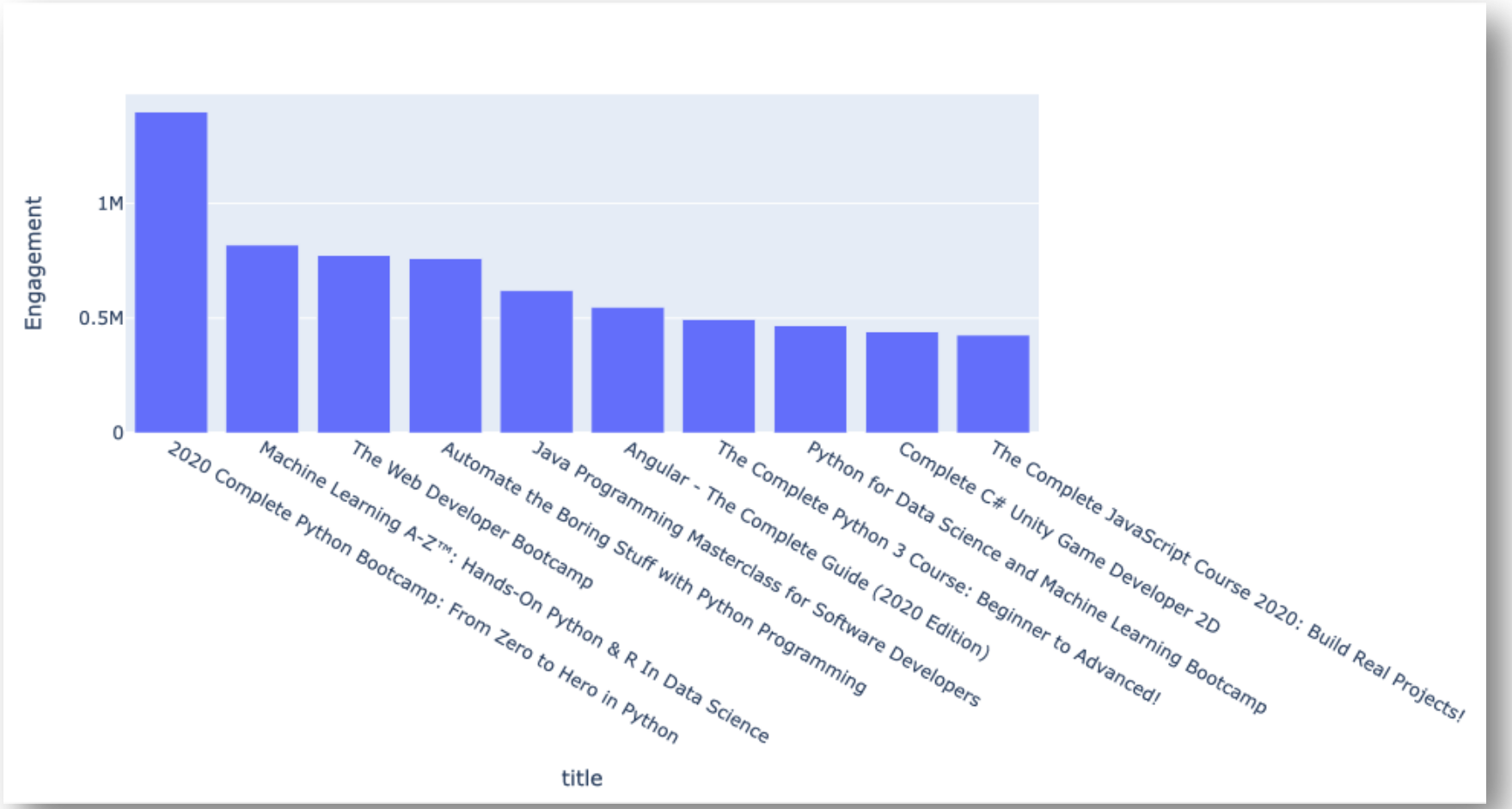
The course which offers the best cost benefit is:

- **Automate the Boring Stuff with Python Programming**
- **Learn HTML5 Programming From Scratch**
- **Python for Absolute Beginners**
- **Data Analysis with Pandas and Python**
- **Learn Ruby on Rails from Scratch**

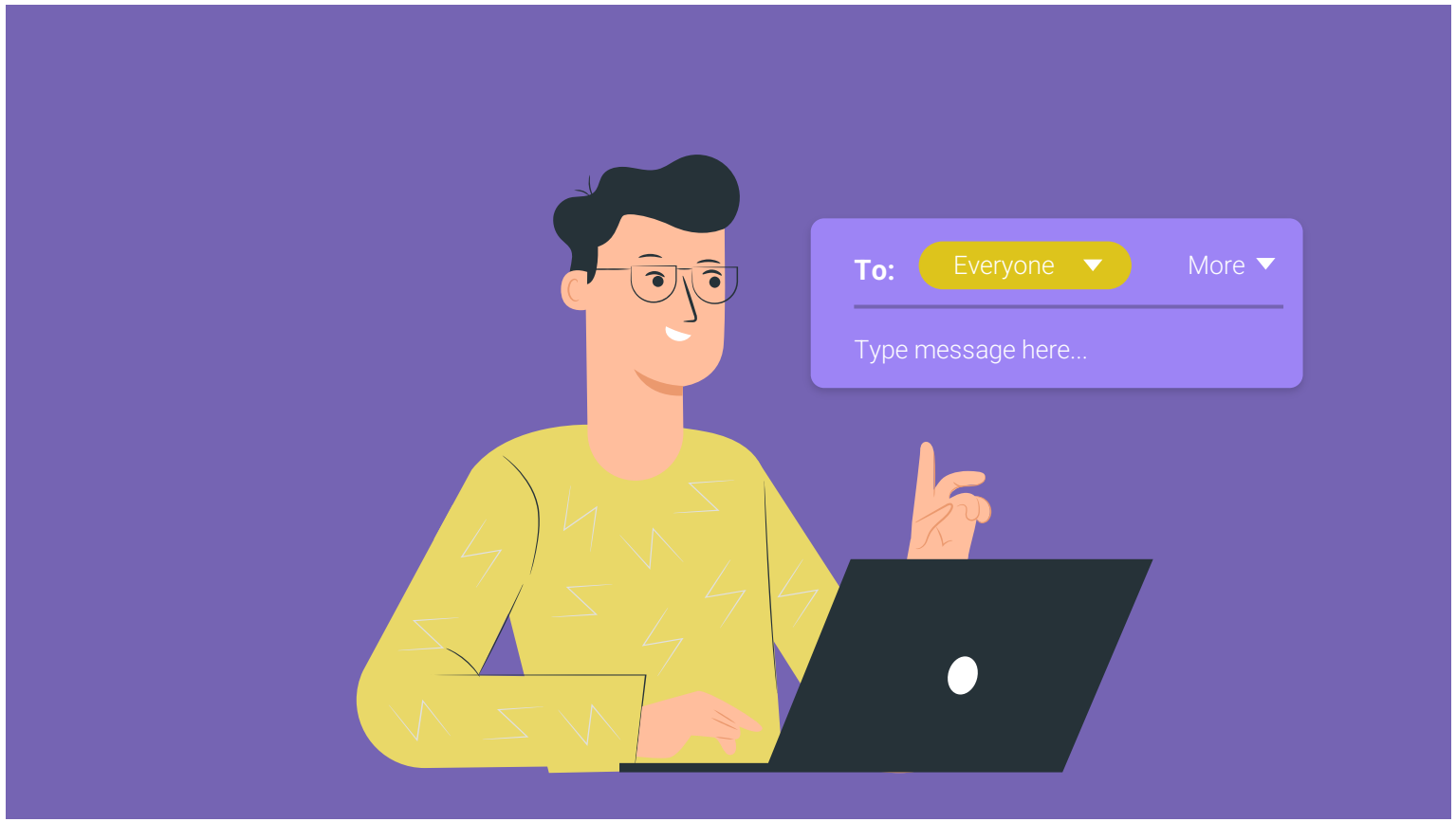


Engaging Courses

Total engagement = number of subscribers + number of reviews



Predictive Analysis



Regression models :

- Support Vector Regression
- Linear Regression
- Random Forest Regressor
- Kernel Ridge Regression
- Gradient Boosting Regression
- Elastic Net Regression

Conclusion

The Accuracy of Data Modeling are as follows:

	Algorithm	Accuracy in %
1	Linear Regression	83.49
2	Random Forest Regression	77.98
3	Gradient Boosting Regression	79.81
4	Support Vector Machines	-3.68
5	Kernel Ridge Regression	83.51
6	Elastic Net Regression	83.51

Thank you !