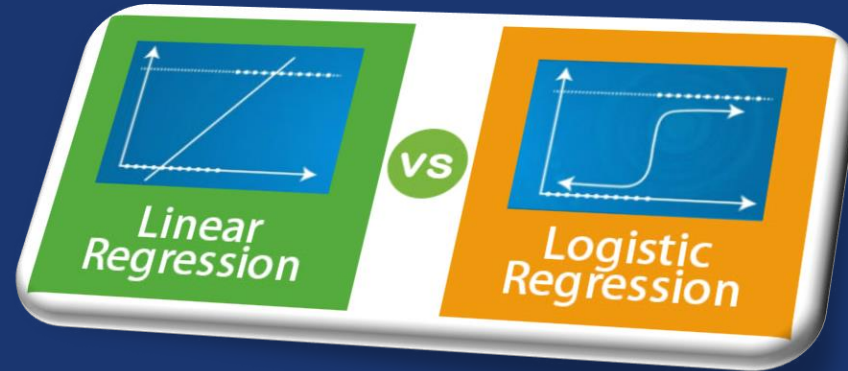


دوره‌ی آموزشی «علم داده»
Data Science Course

جلسه نوزدهم - (بخش اول)
ورود به رگرسیون لجستیک
(یک مثال ساده در پایتون)



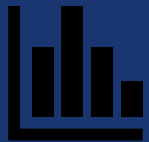
مدرس: محمد فزونی
عضو هیئت علمی دانشگاه گنبدکاووس



LOGISTIC REGRESSION



LINEAR REGRESSION



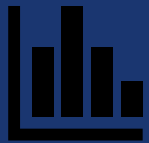
LOGISTIC REGRESSION

Non-linear
models



How non-
linear?

- quadratic
- exponential
- logistic



LOGISTIC REGRESSION

Category 1

yes

will buy

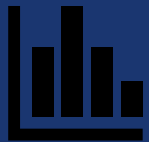
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Category 2

no

won't buy

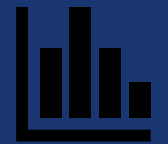
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LOGISTIC REGRESSION



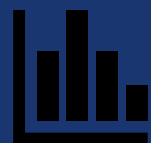
With a logistic regression we can make a much more fundamental forecast – will the customer buy at all!



A SIMPLE EXAMPLE

SAT \rightarrow ADMISSIONS

They won't even have a GPA if they don't get admitted



Let's jump to the Jupyter notebook environment to see a simple example

