



Statistical methods for feature selection

Statistical tests used in feature selection

ANOVA

Correlation

Chi-square

Mutual information

Statistical tests used in feature selection

	Categorical features	Numerical features
Regression (continuous target)		Correlation
Classification (categorical target)	Chi-square	Anova

Statistical tests used in feature selection

	Categorical features	Numerical features
Regression (continuous target)	Mutual information	Correlation /Mutual information
Classification (categorical target)	Chi-square /Mutual information	Anova /Mutual information

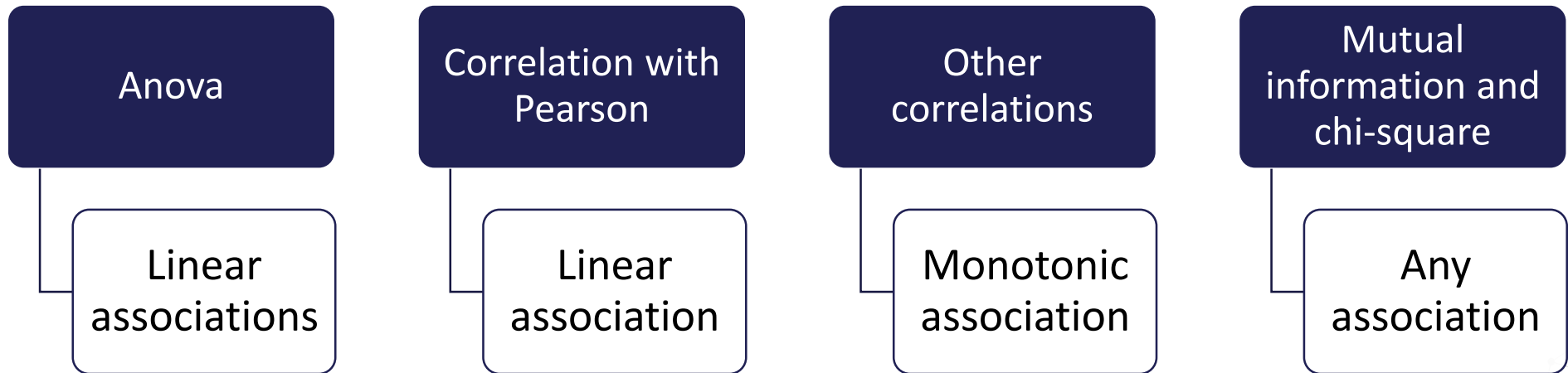


Mixed predictions

Datasets with both numerical and categorical features → mutual information.

Attention: Python implementations will work, it doesn't mean that we can trust the results!!!

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THANK YOU

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