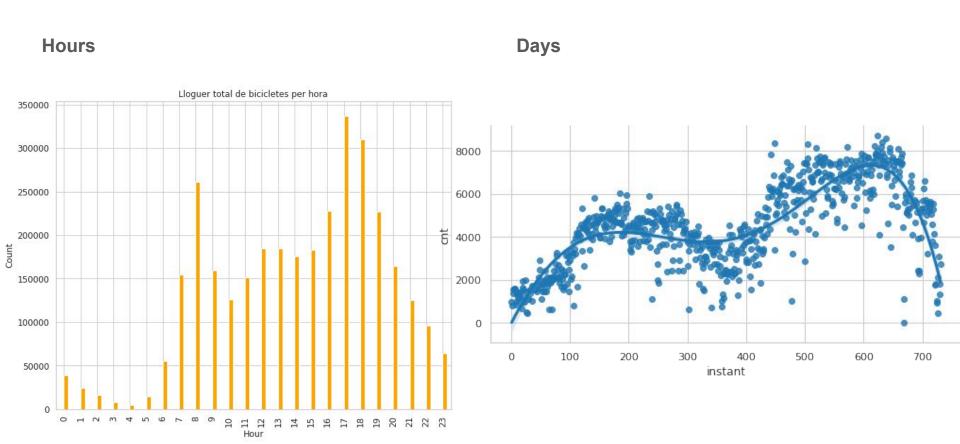


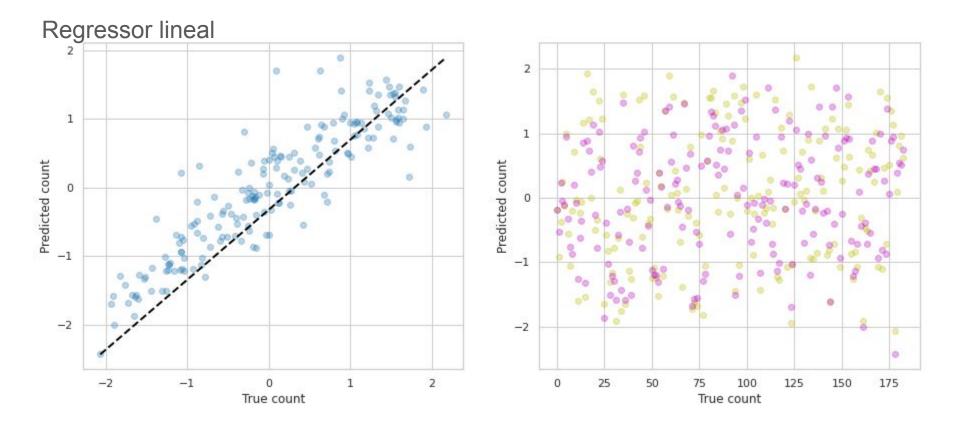
Pràctica 1: Regressió

Universitat Autònoma de Barcelona | Aprenentatge Computacional - MatCAD

Datasets



Resultats de la Regressió



Resultats de la Regressió

		Linear Regressor	Lasso (alpha=0.0001)	Ridge (alpha=0.0001)
All features	Training Score	0.795486443346533	0.797157209333153	0.783494727668732
	Test Score	0.81053919511654	0.733623657452098	0.831019451749201
Best K Features	Best K	6	6	6
	Training Score	0.797890850105543	0.775029402917329	0.768719951577013
	Test Score	0.721283822193544	0.757078257109157	0.796659016670986
PCA	PCA components	8	9	11
	Training Score	0.787826907285859	0.756503771570763	0.80628662932398
	Test Score	0.734094844167238	0.781600954421178	0.759752719860412

Regressió polinomial i altres regressors

	Polynomial Regressor	Random forest	Gradient boosting
Params	Best degree = 2	# of trees = 100	learning rate = 0.1
Training Score	0.900721875124621	0.981852455255317	0.963316492801609
Test Score	0.827211211129234	0.909821614463845	0.90825706398347

Descens del gradient

