



CIS 635 Knowledge Discovery & Data Mining

Course Review Week



Course Syllabus!

Where we are at the end of Week 10?

Week of	Topic	Activity
Aug 26	Introduction Math, Probability Basics (part1)	Course introduction & networking Labor Day recess (Sept 1-2)
Sept 02	Math, Probability Basics (part2) Python programming review	Project groups formation Labor Day recess (Sept 1-2)
Sept 09	Python programming: data science	Sample project presentation 1
Sept 16	Exploratory Data Analysis (EDA)	
Sept 23	EDA (cont.)	Sample project presentation 2
Sept 30	Predictive modeling: Regression	
Oct 07	Predictive modeling: Regression (cont.)	
Oct 14	Predictive modeling: Classification	Fall Break (Oct. 20-22)
Oct 21	Predictive modeling: Classification (cont.)	Fall Break (Oct. 20-22)
Oct 28	Unsupervised learning (clustering)	
Nov 04	Unsupervised learning (clustering) cont.	
Nov 11	Association analysis	
Nov 18	Sequence analysis & modeling	
Nov 25	Sequence analysis & modeling (cont.)	Thanksgiving Day recess (Nov 27-Dec 01)
Dec 02	Special topics Exam week	Class ends: Dec 07 Examinations (Dec 07 - 14) Project wrap-up and presentation
Dec 09	Exam week	Examinations (Dec 07 - 14)) Project wrap-up and presentation

Semester ends: Dec 14, 2024



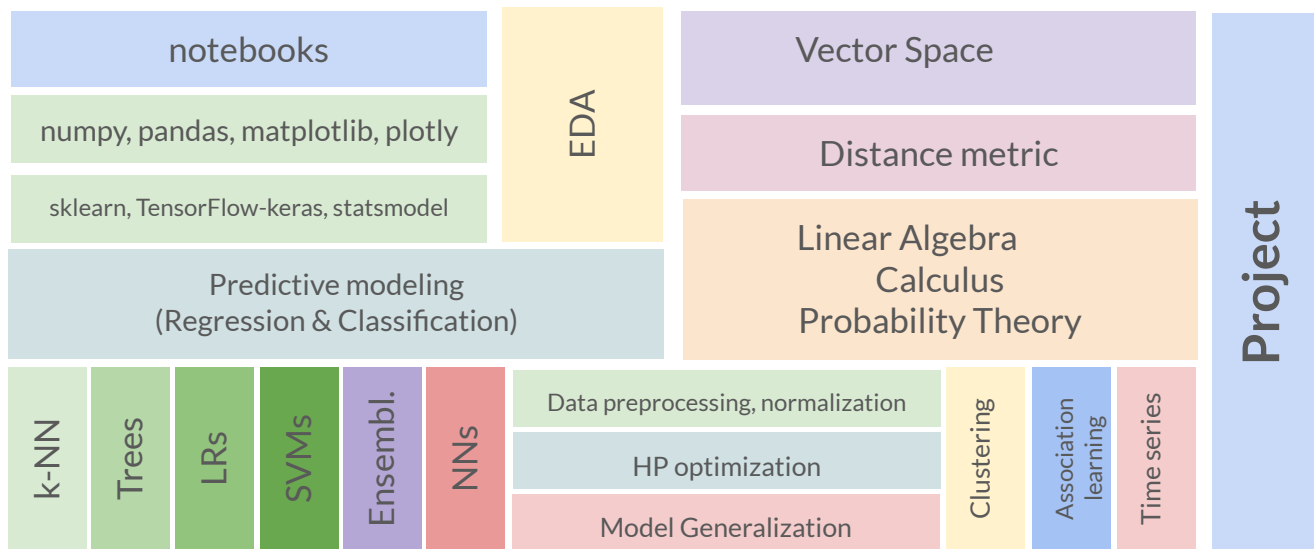
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Key concepts summary review!





Key concepts summary review!

Vector Space

Distance metric



Key concepts summary review!

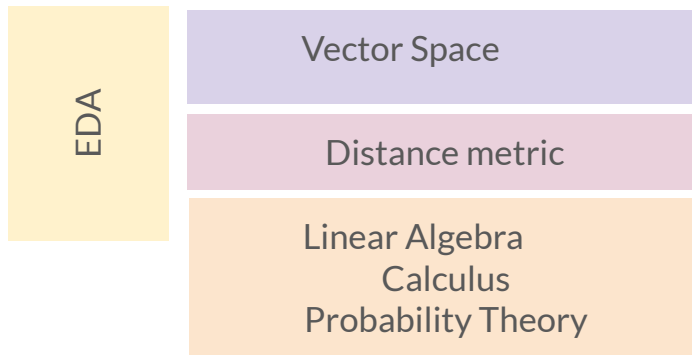
Vector Space

Distance metric

Linear Algebra
Calculus
Probability Theory

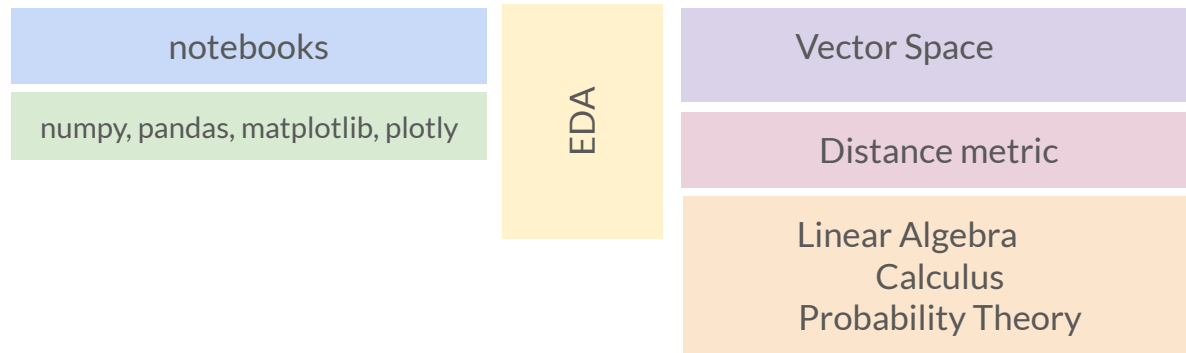


Key concepts summary review!



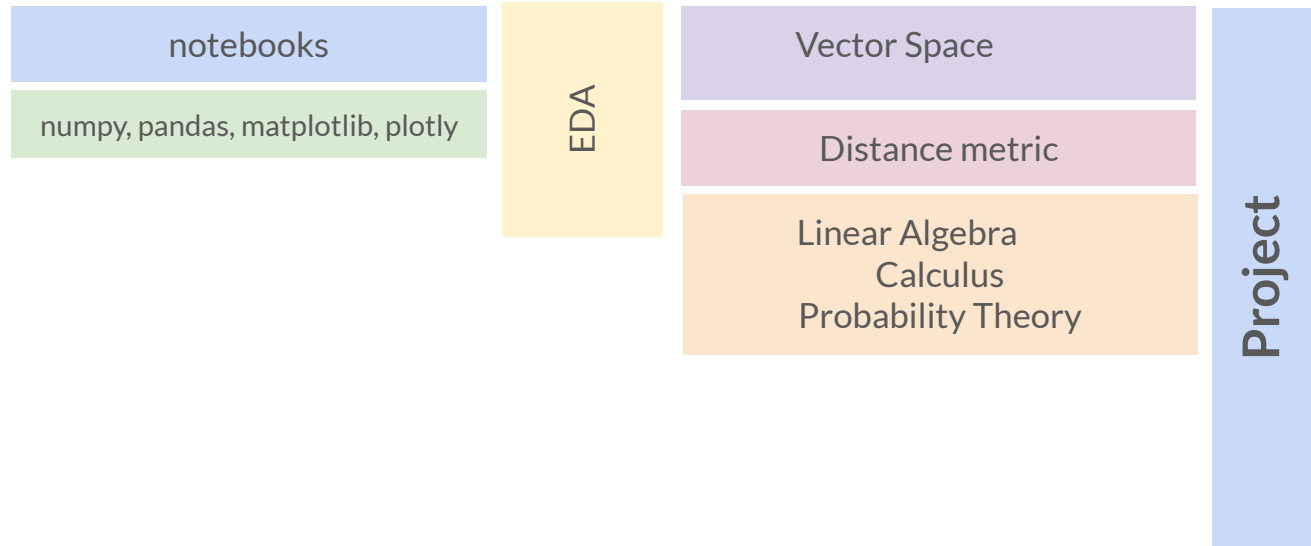


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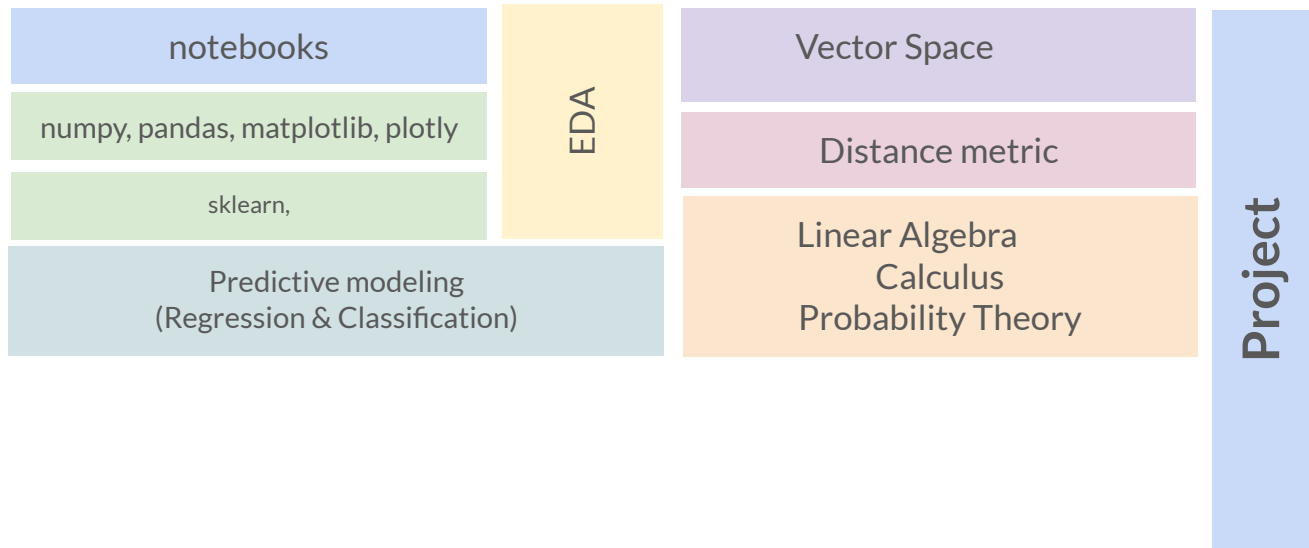


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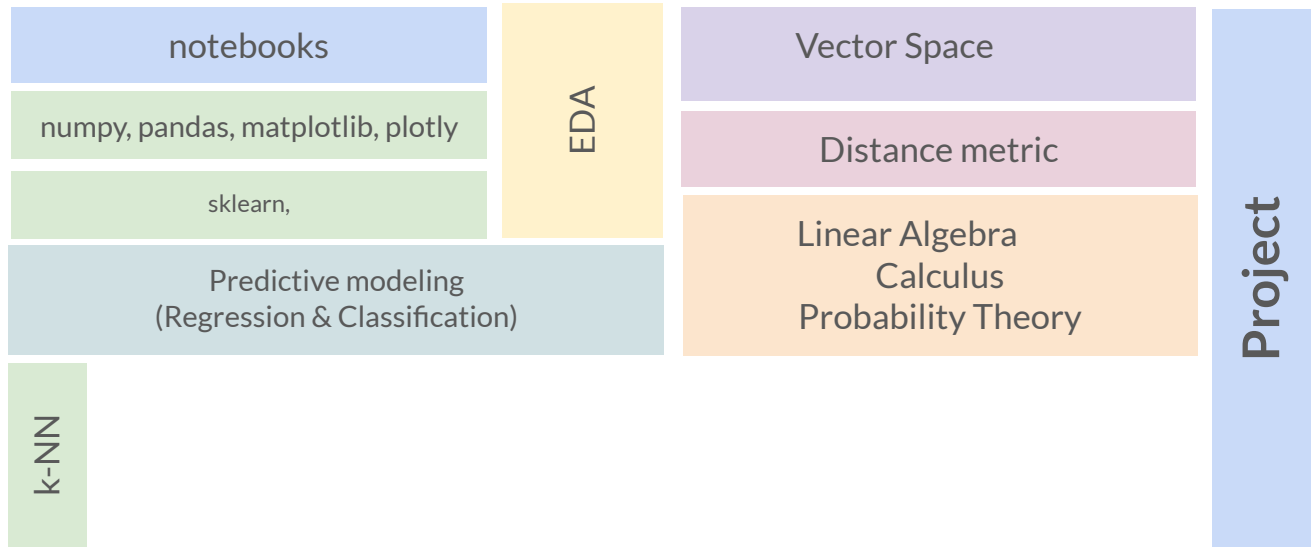


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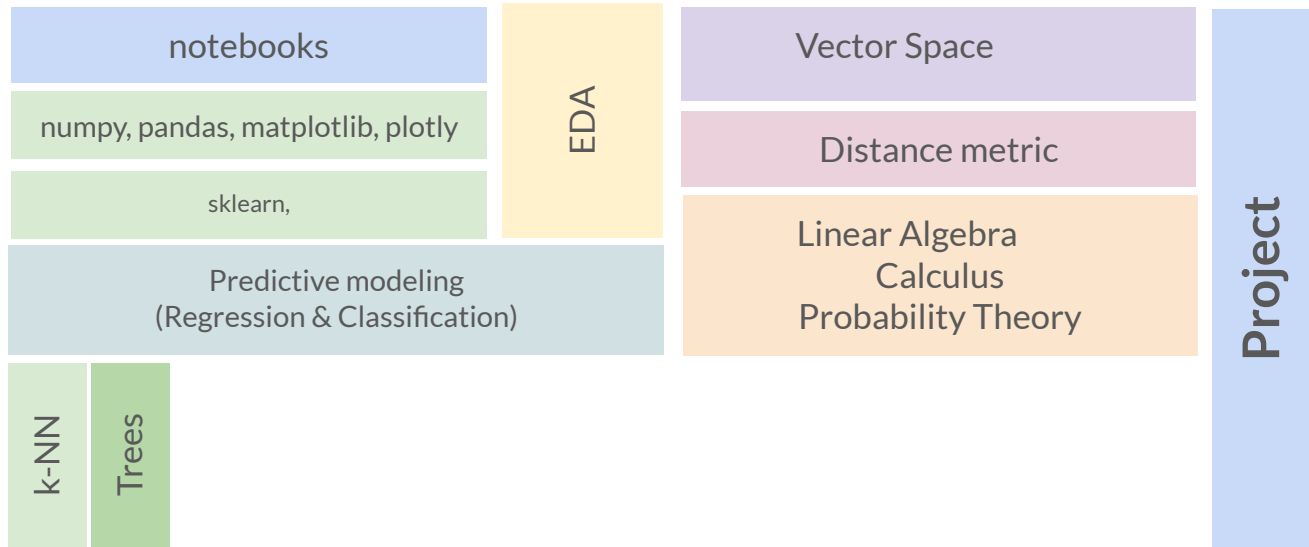


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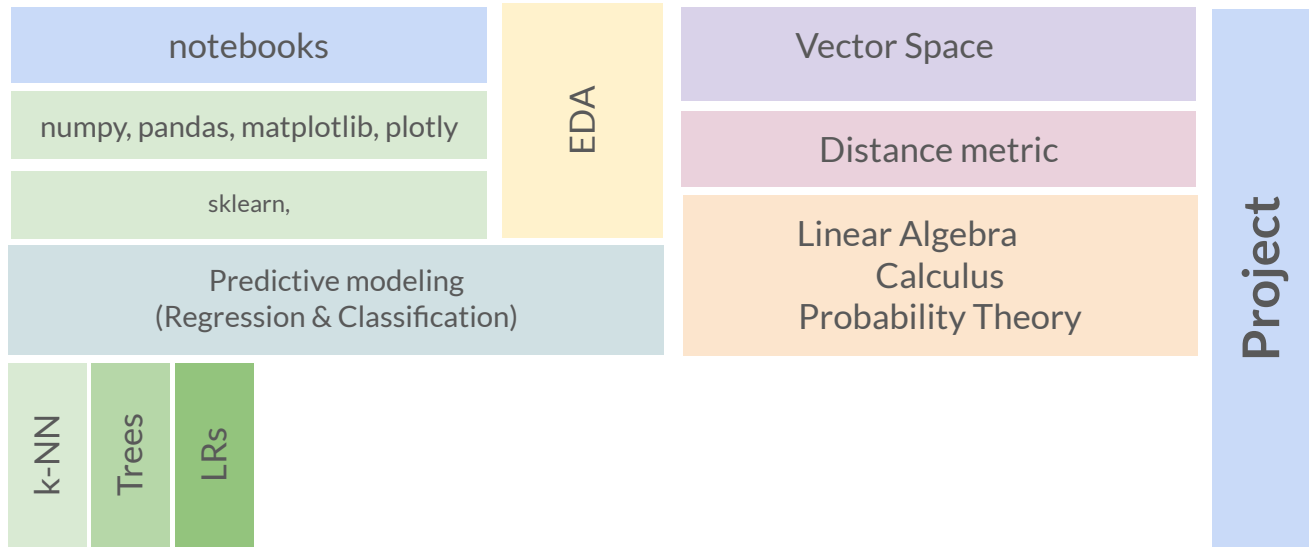


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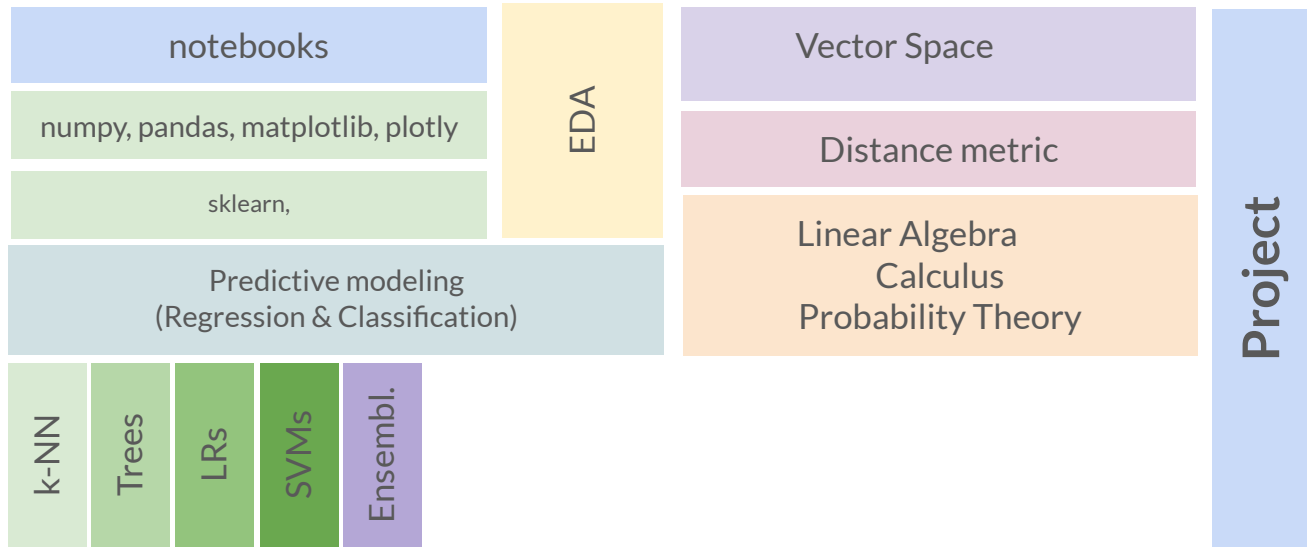


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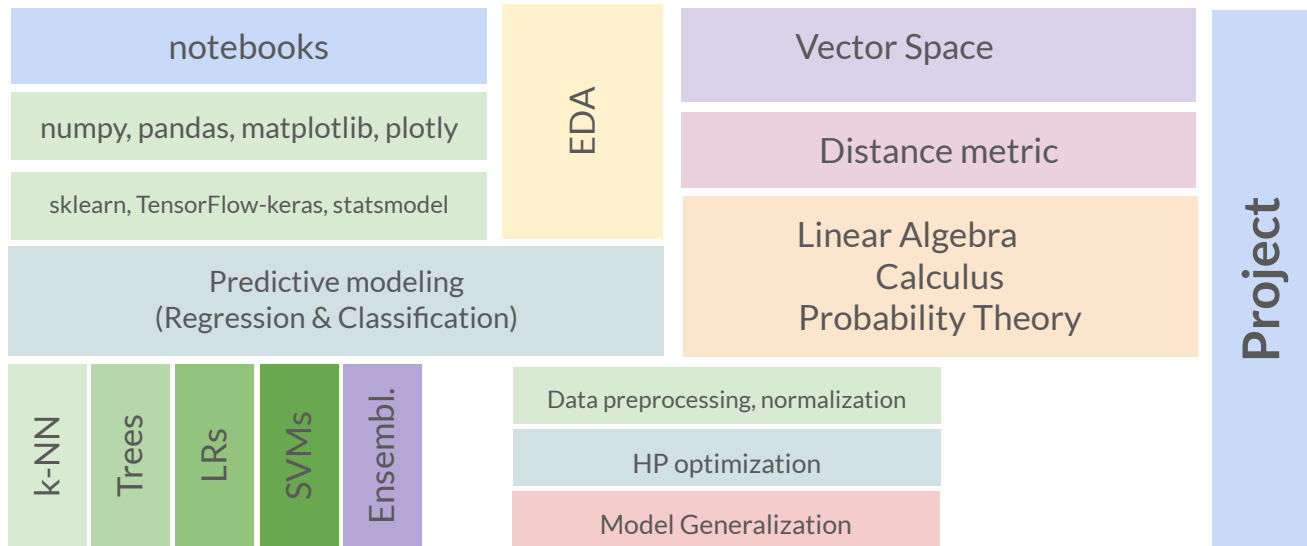


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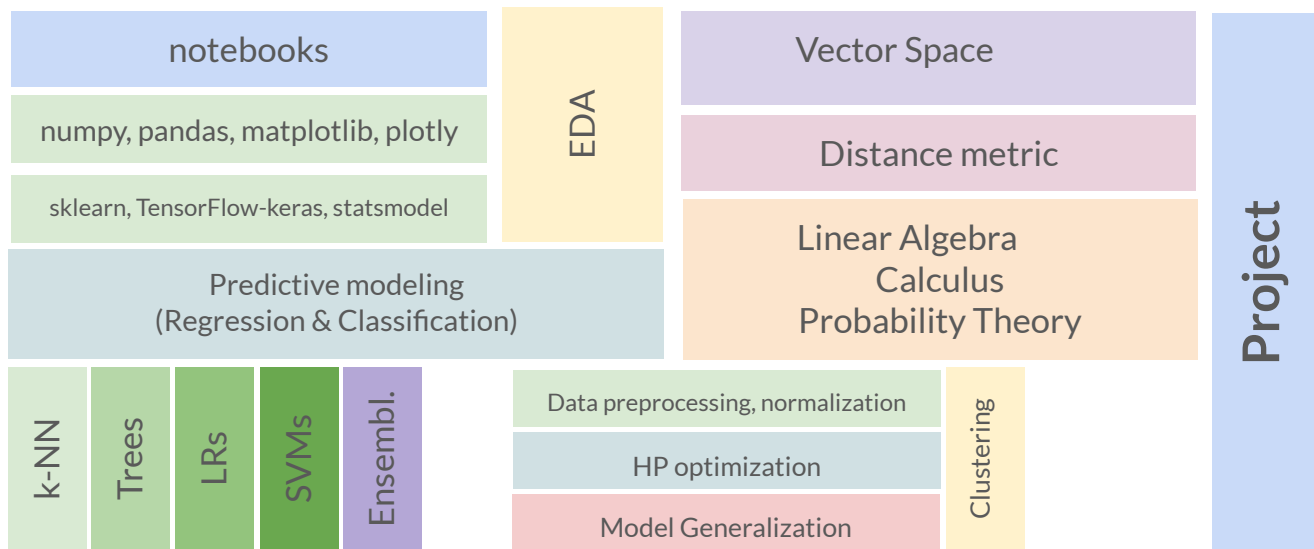


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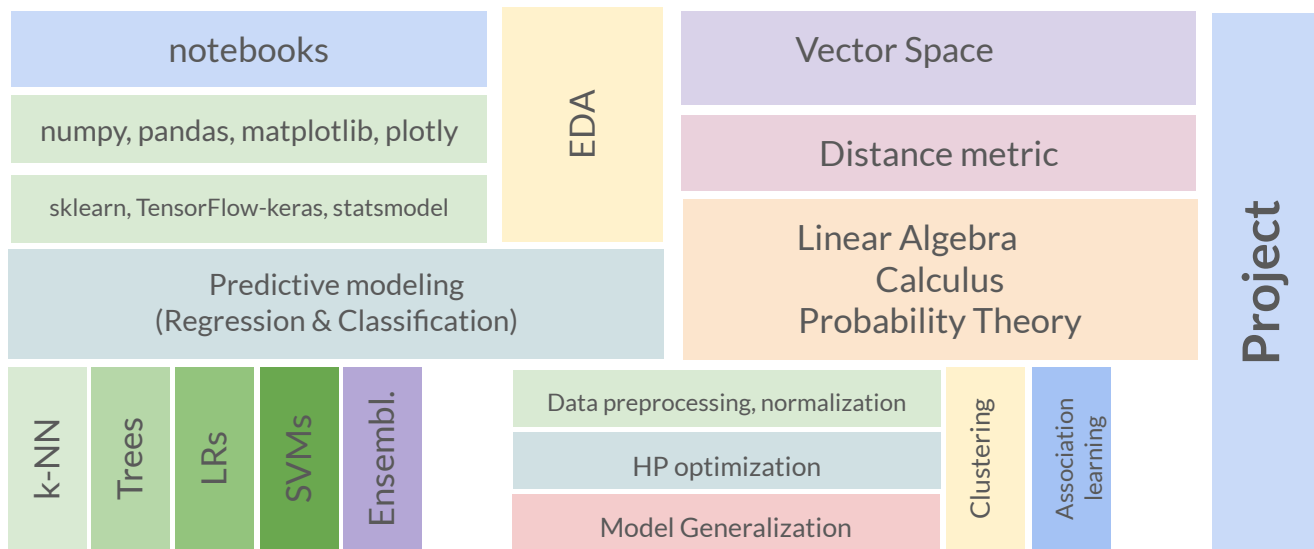




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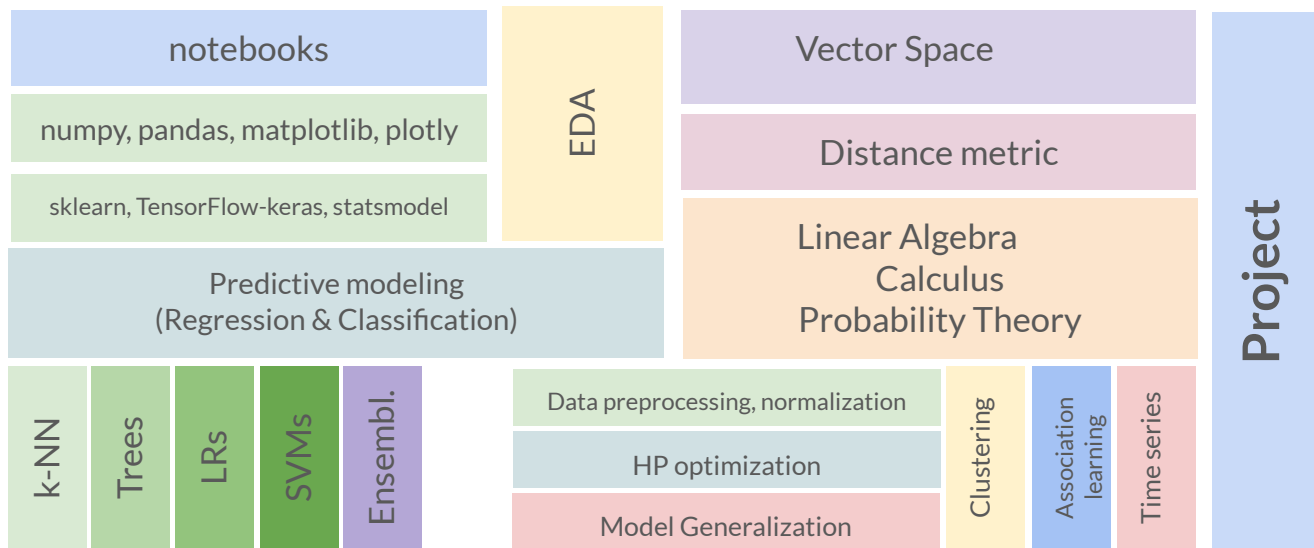


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