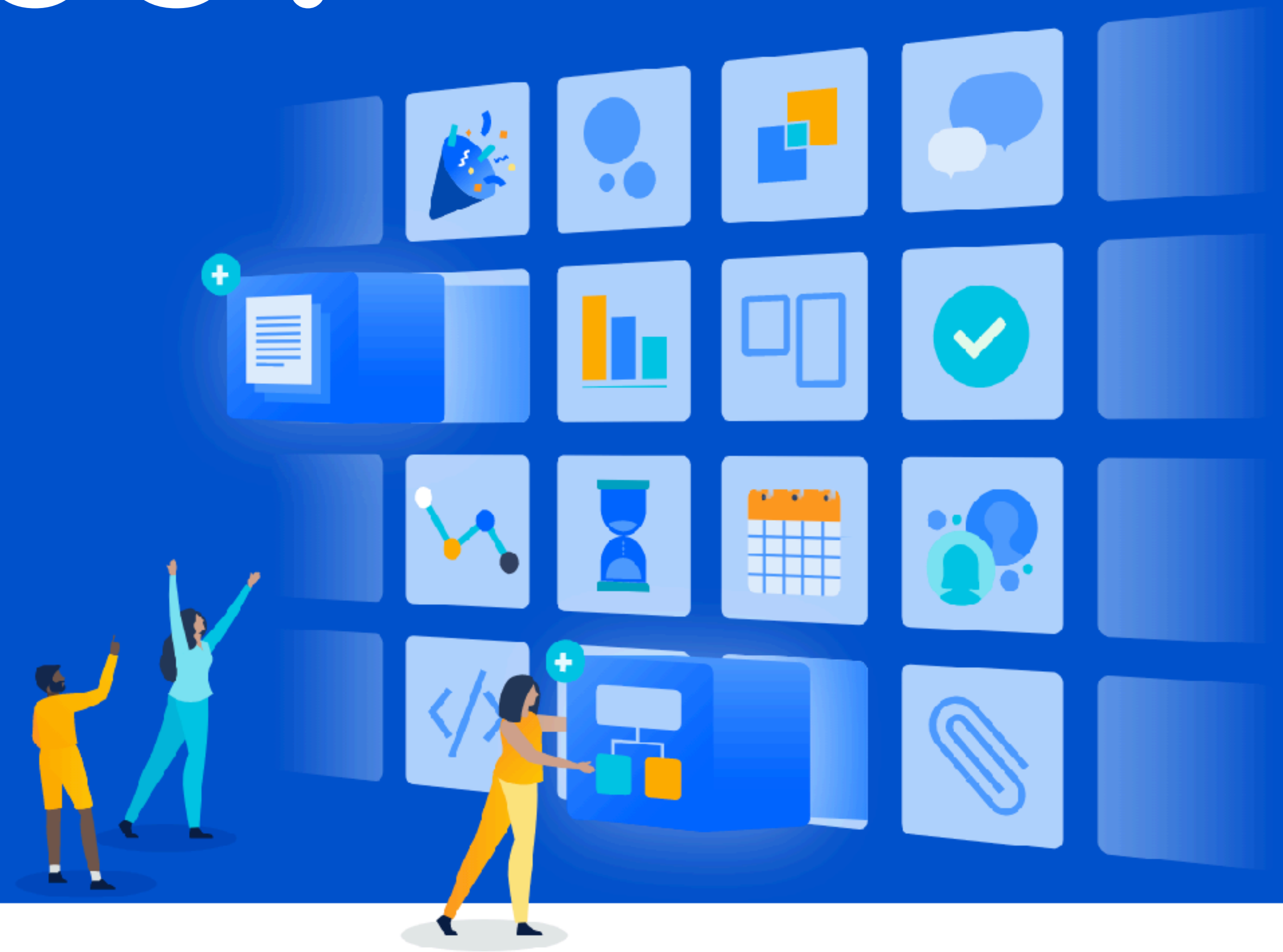


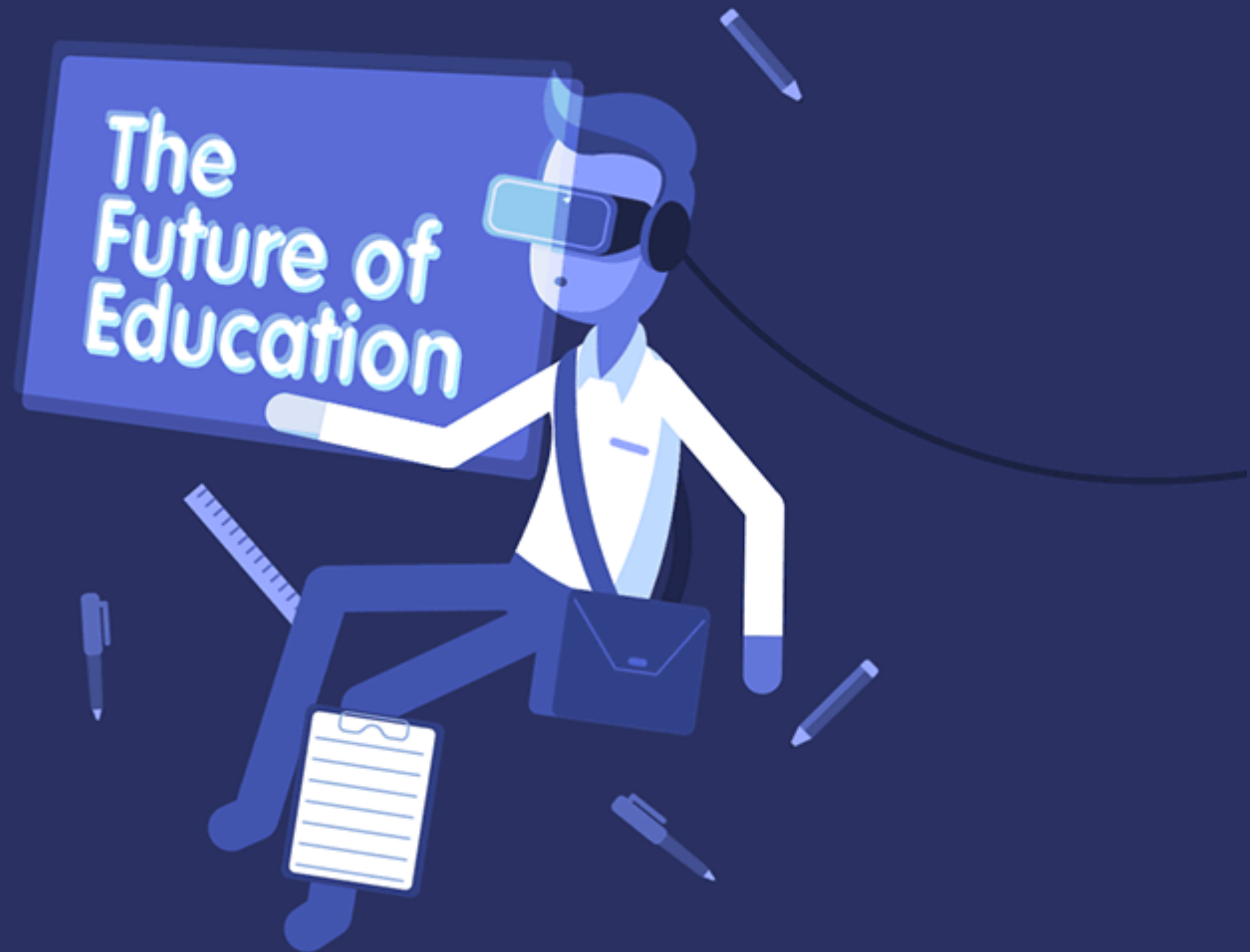
¿Estimague?



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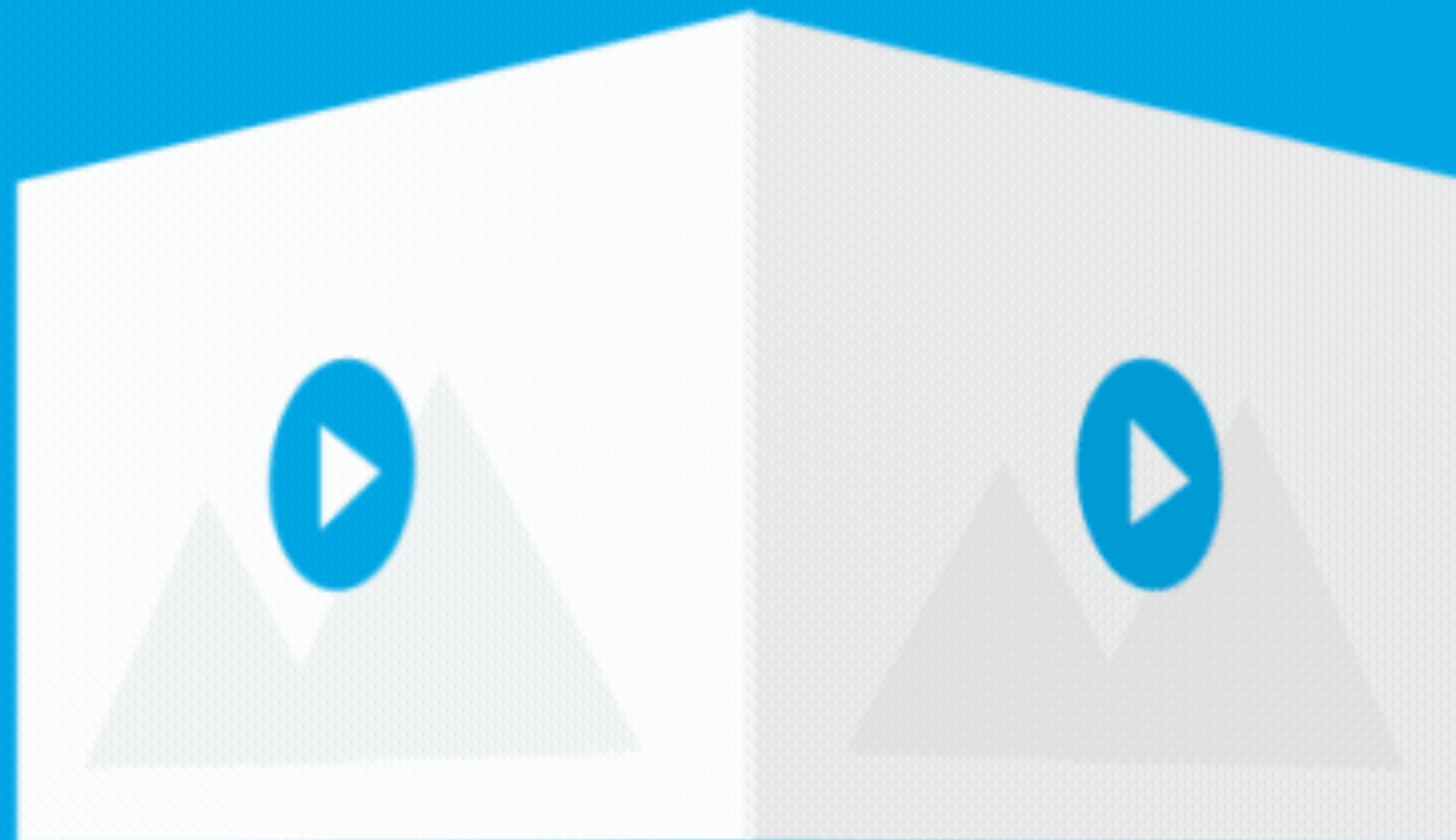
Desmitificando el mundo de las
estimaciones de esfuerzo en el desarrollo
de Software

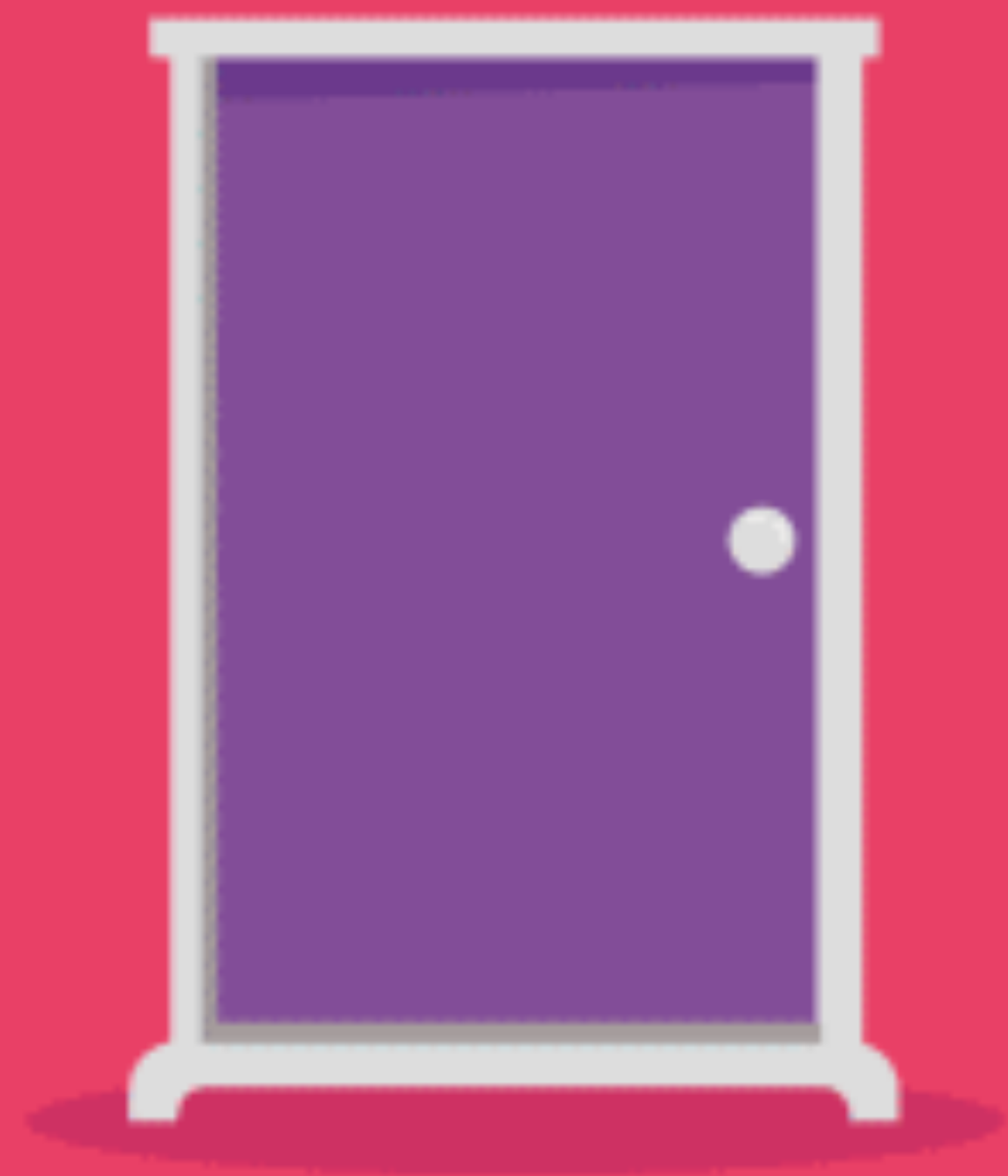
vtomasv.net

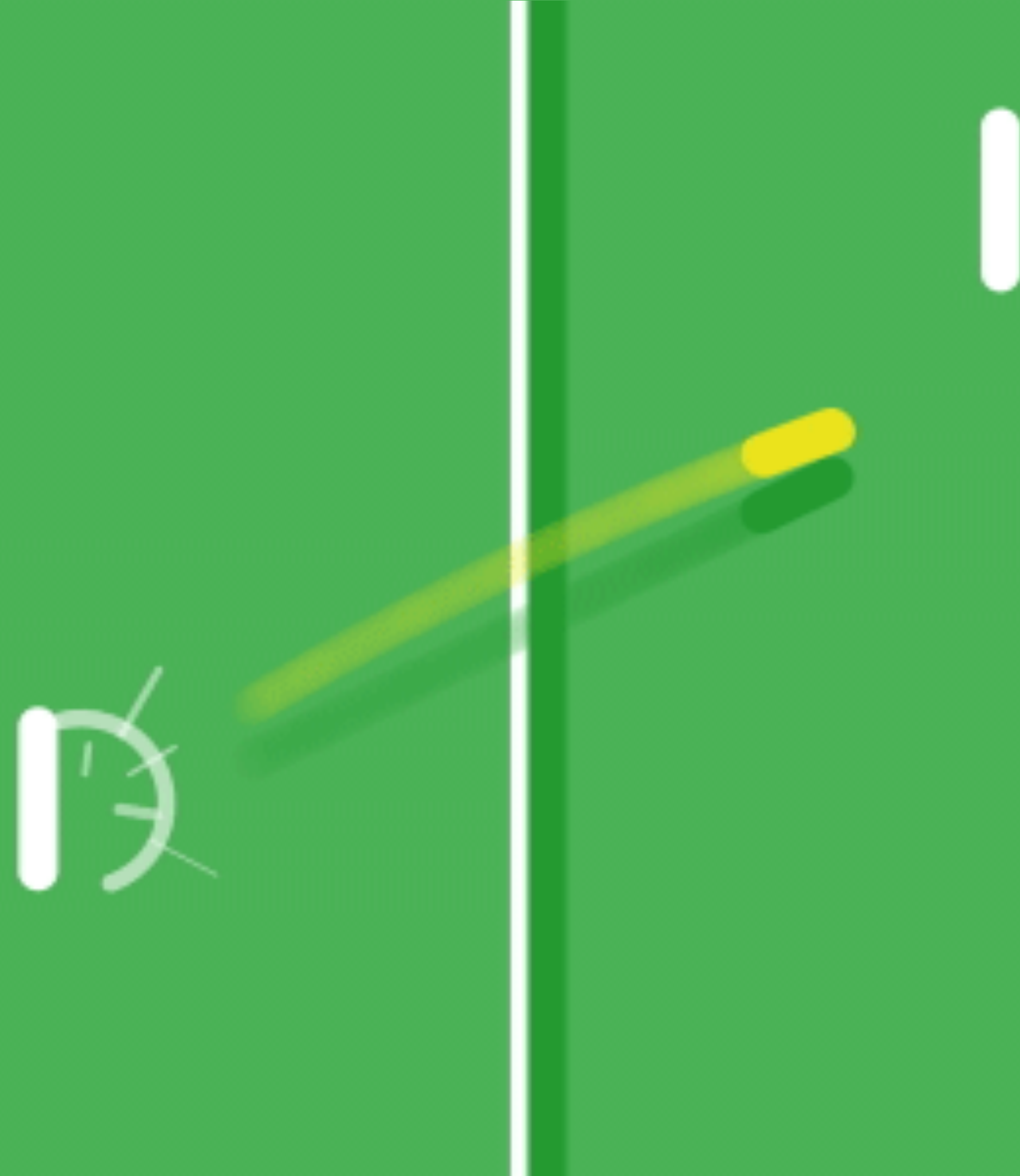


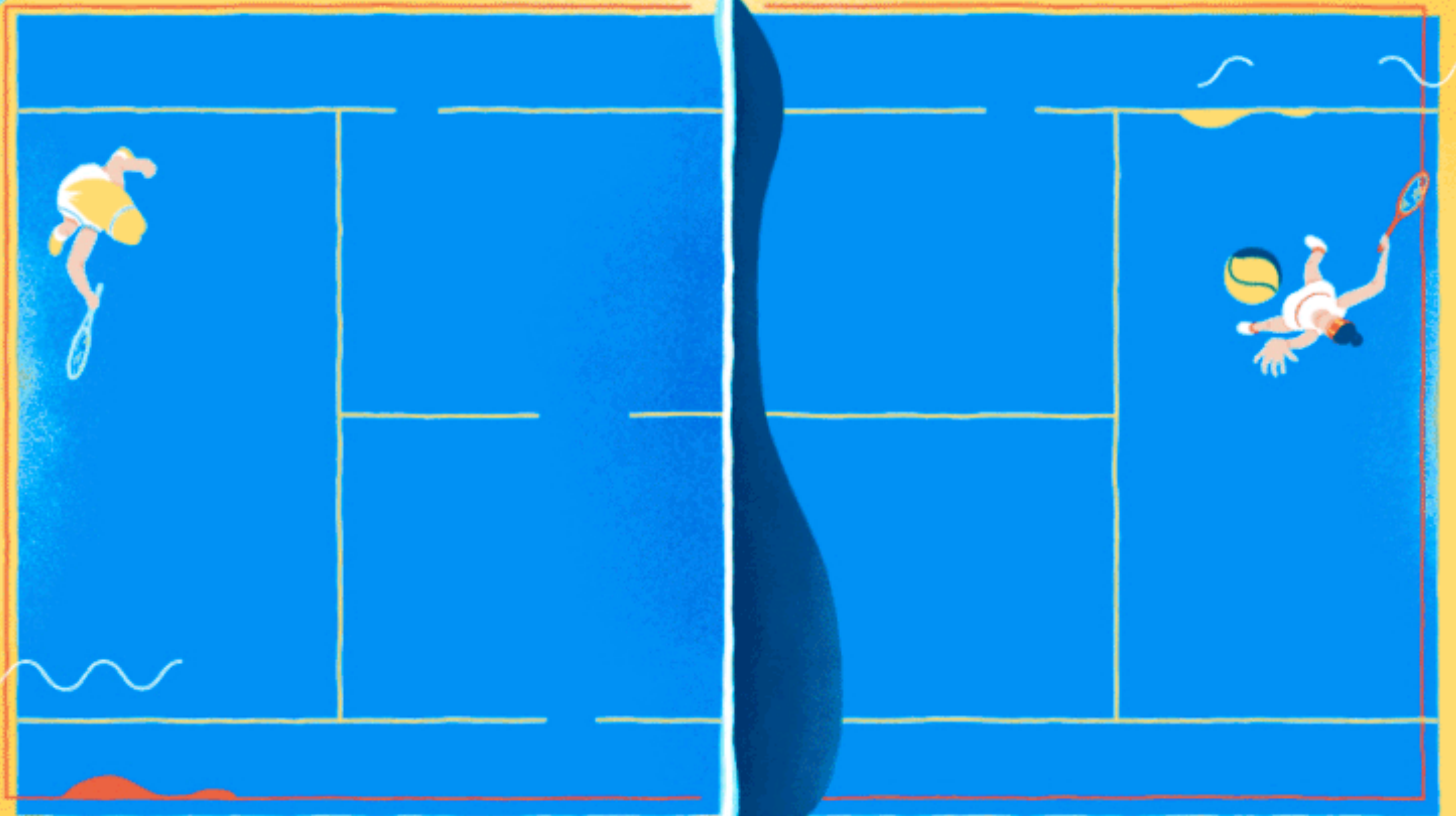








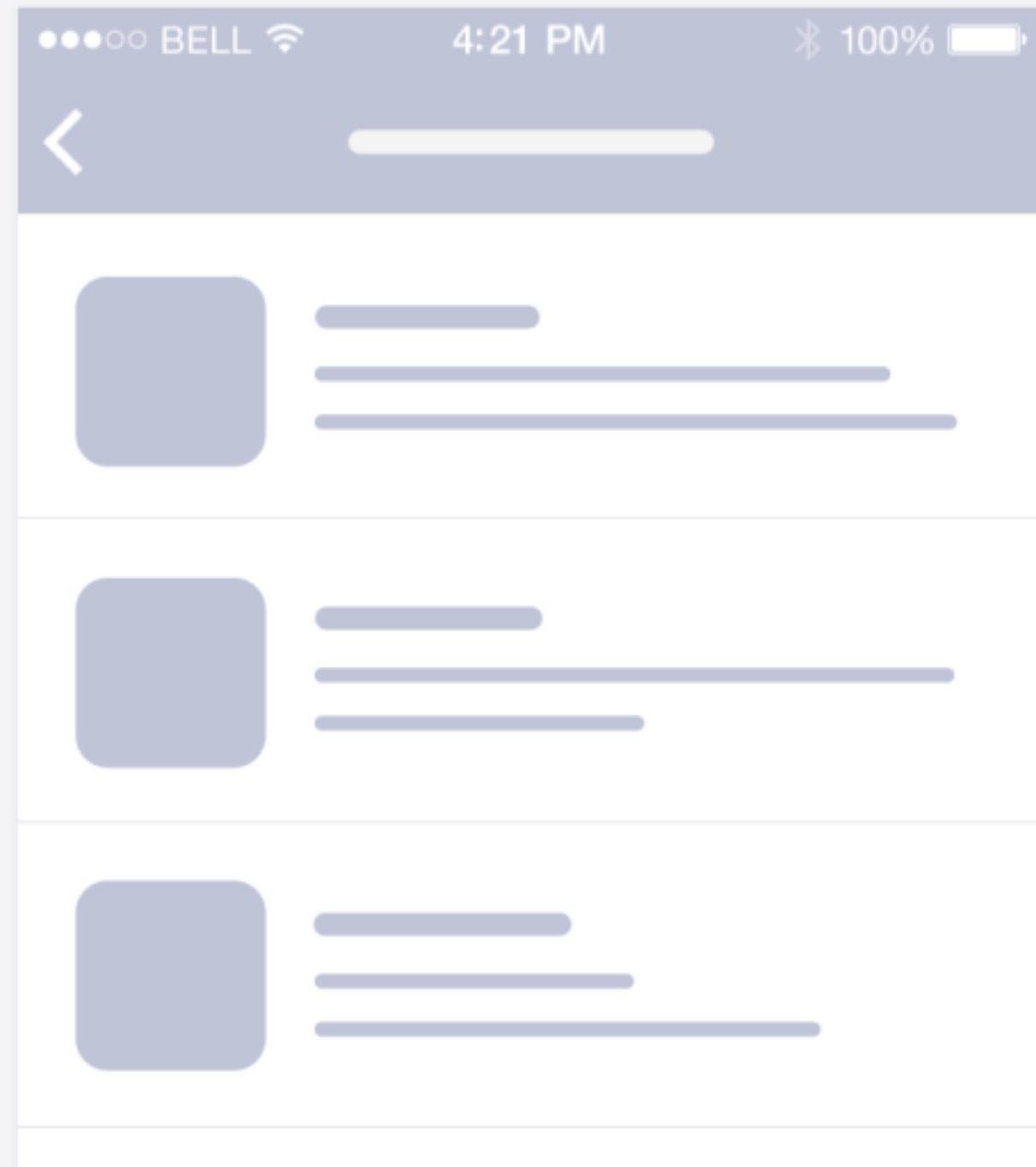








Librerías digitales

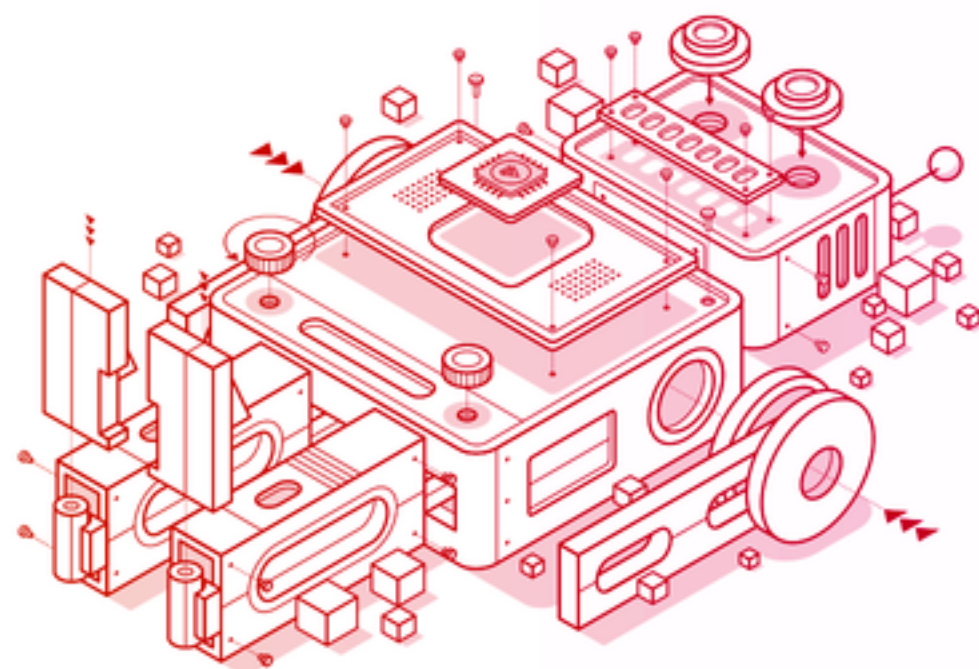


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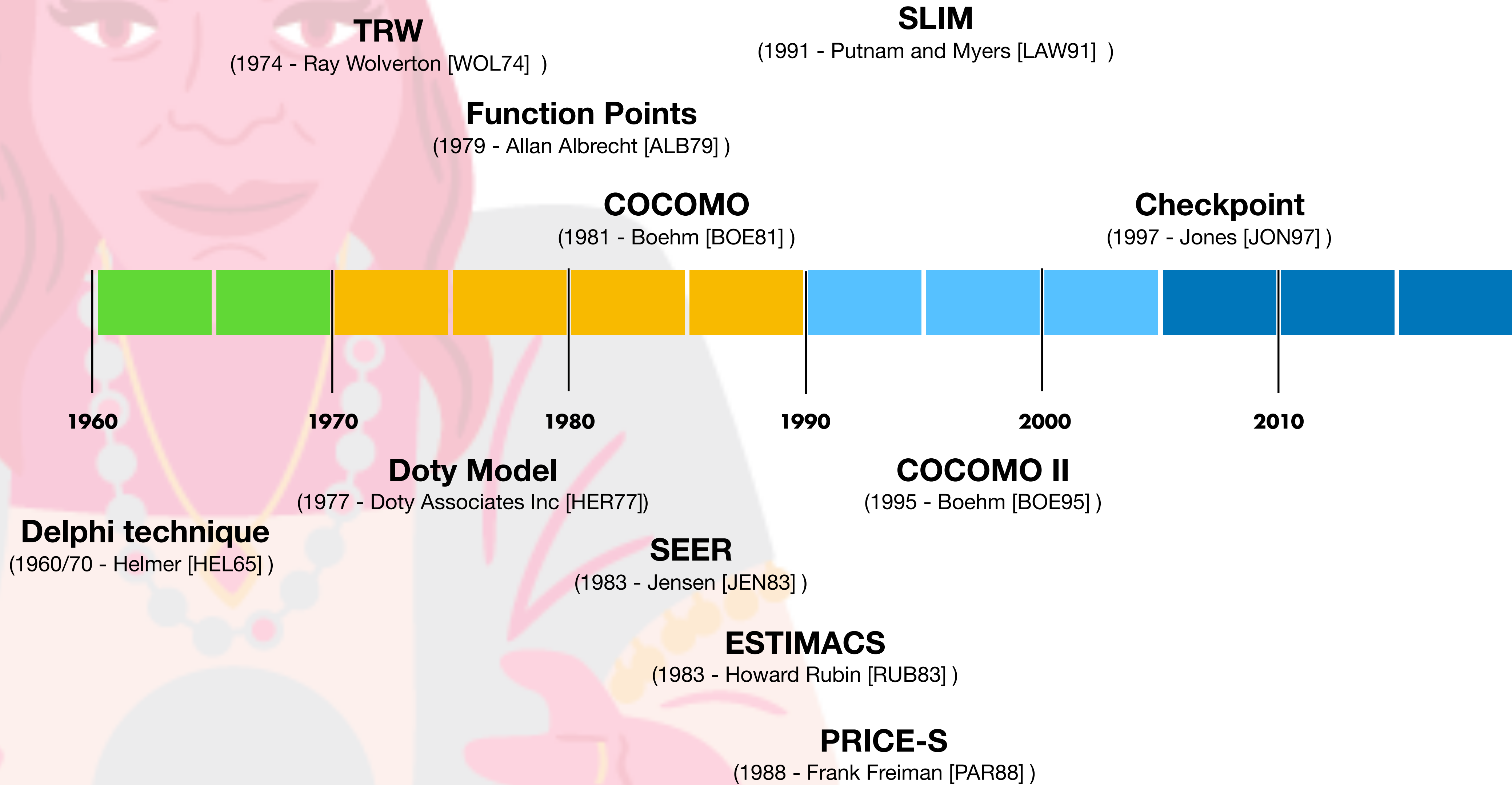
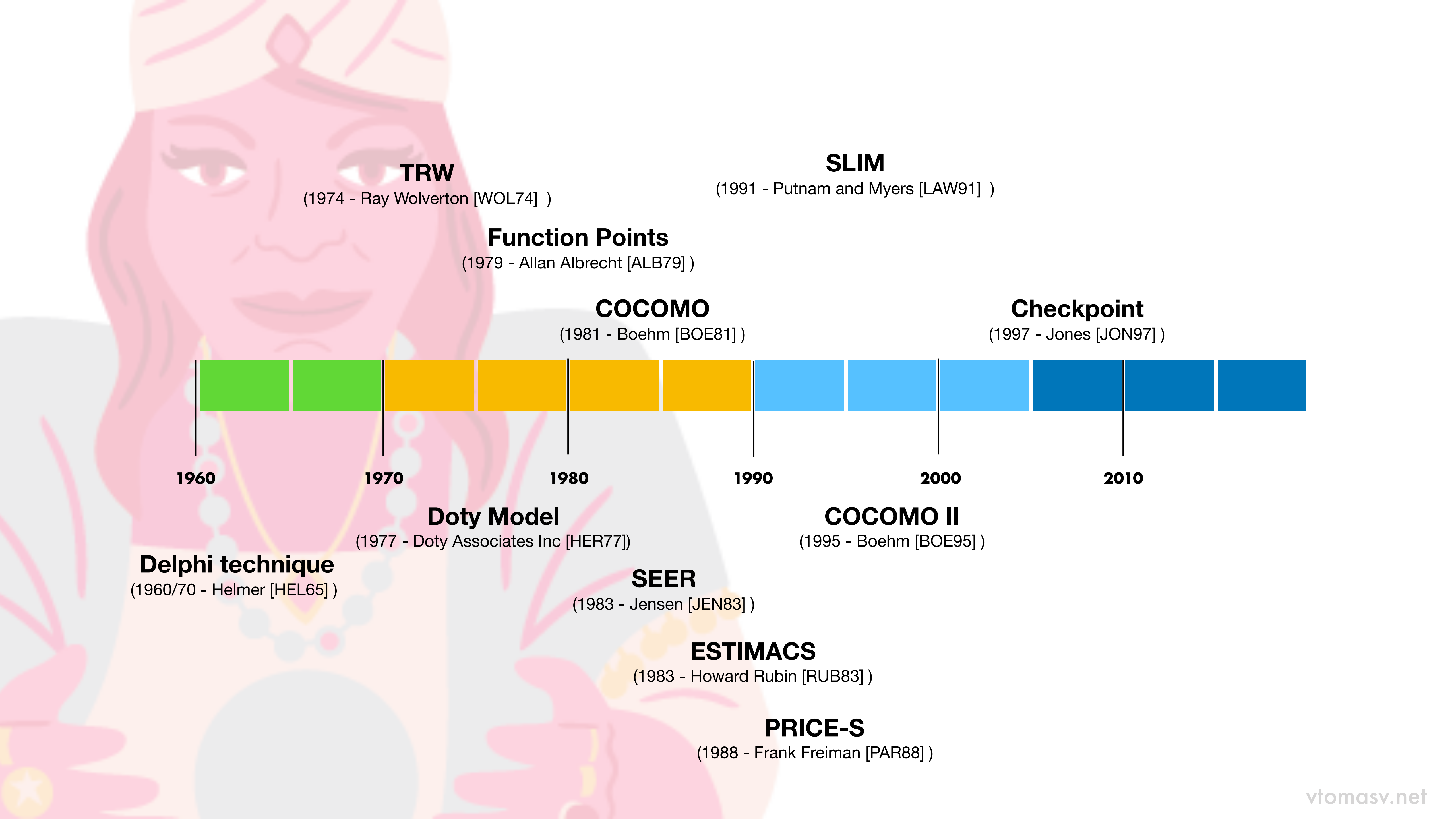


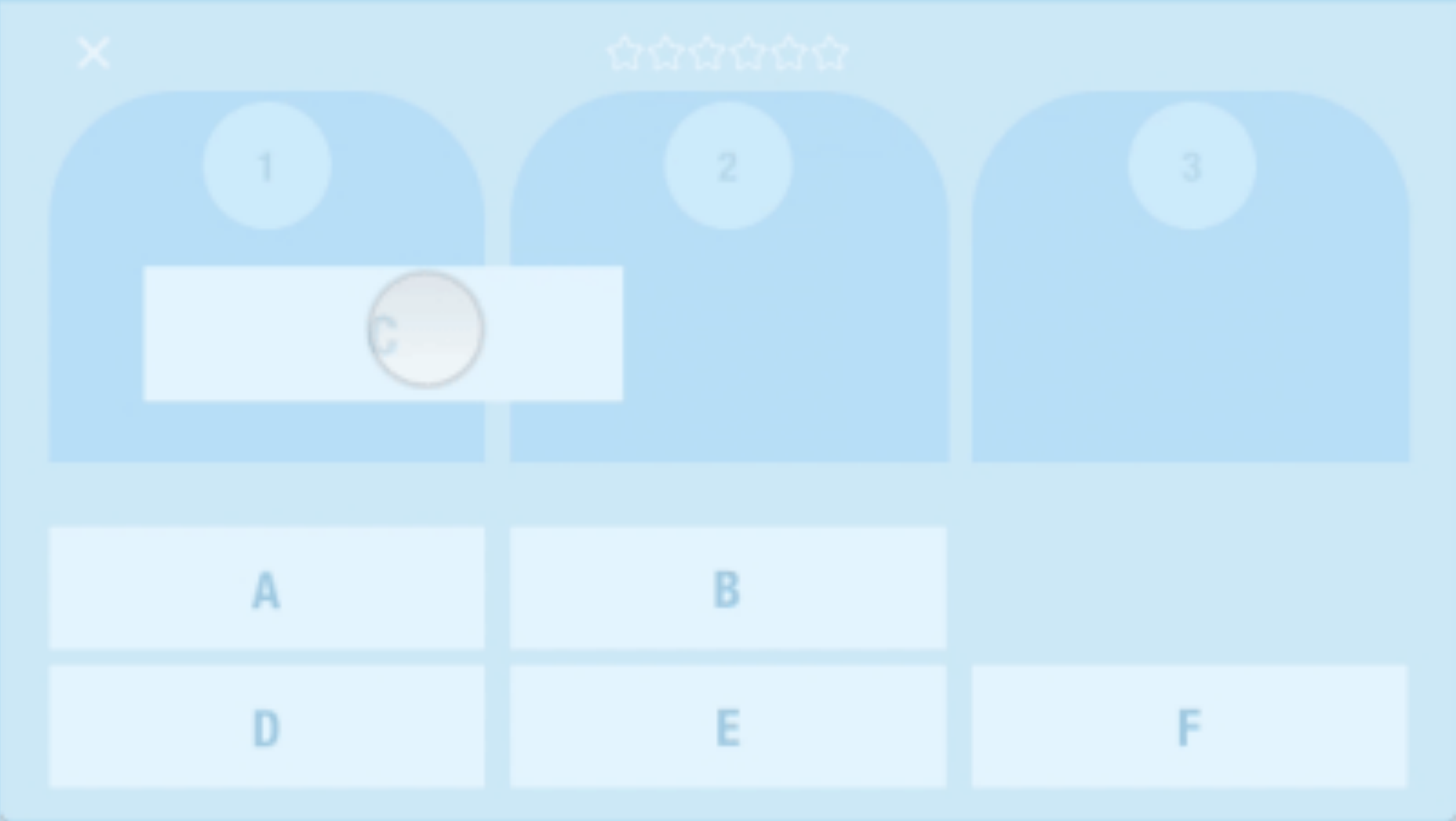
Web Scraping

String Query

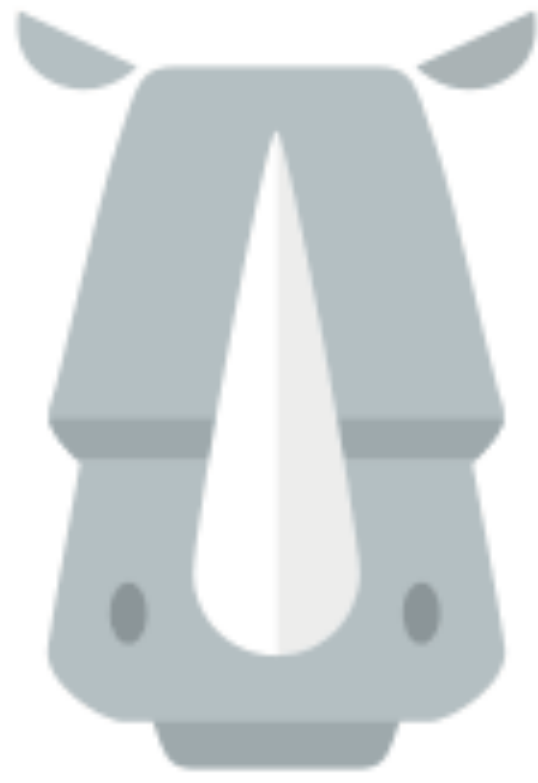
(Software OR system* OR project* OR development OR application*) AND (effort OR cost* OR siz*) AND (Estimat* OR Predict* OR Assess* OR Forecast* OR calcula* OR siz* OR measur* OR dimension*)

95.715











Propietarios



ESTIMACS
Price-S
CostXpert

No Propietarios

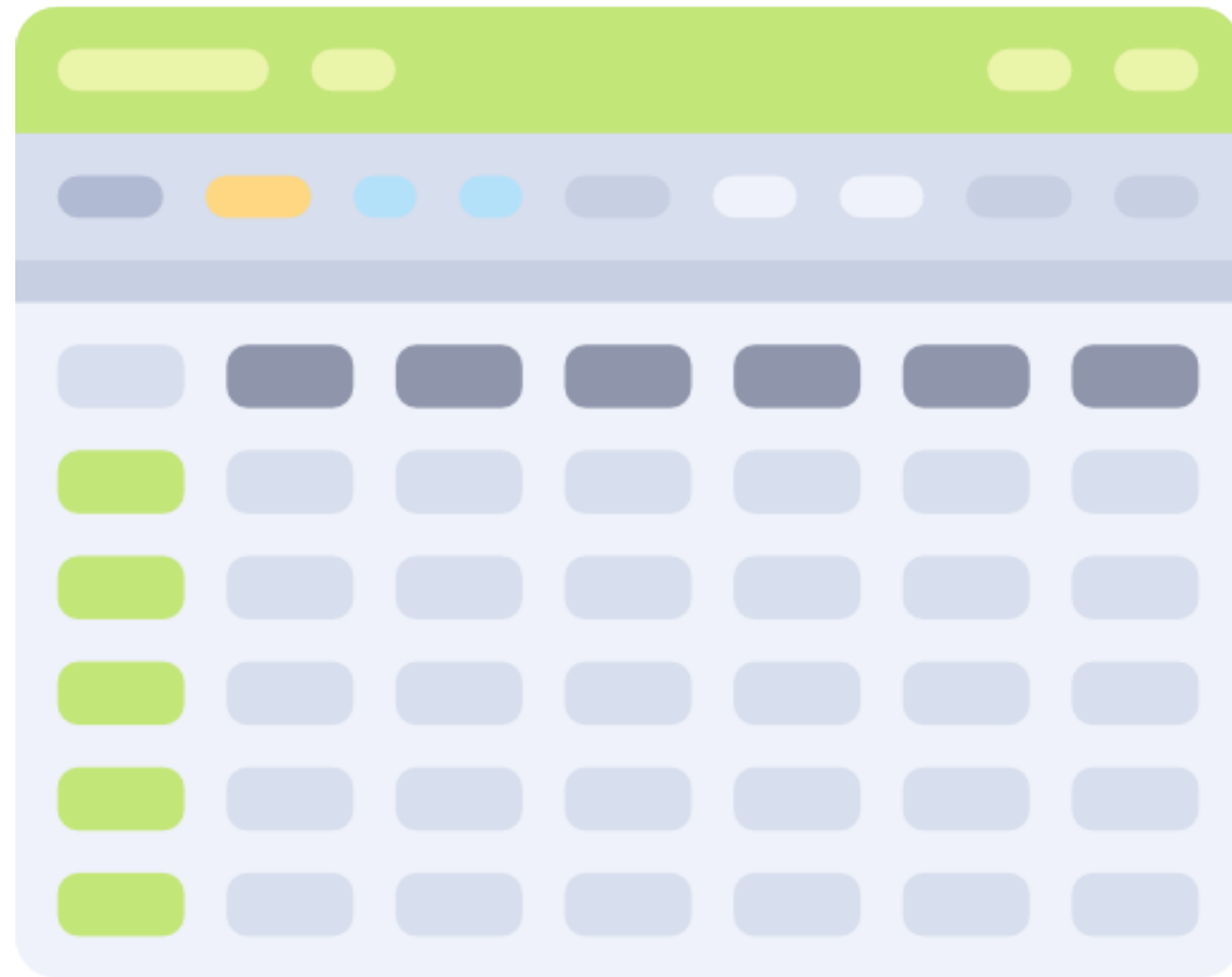


Muchos!

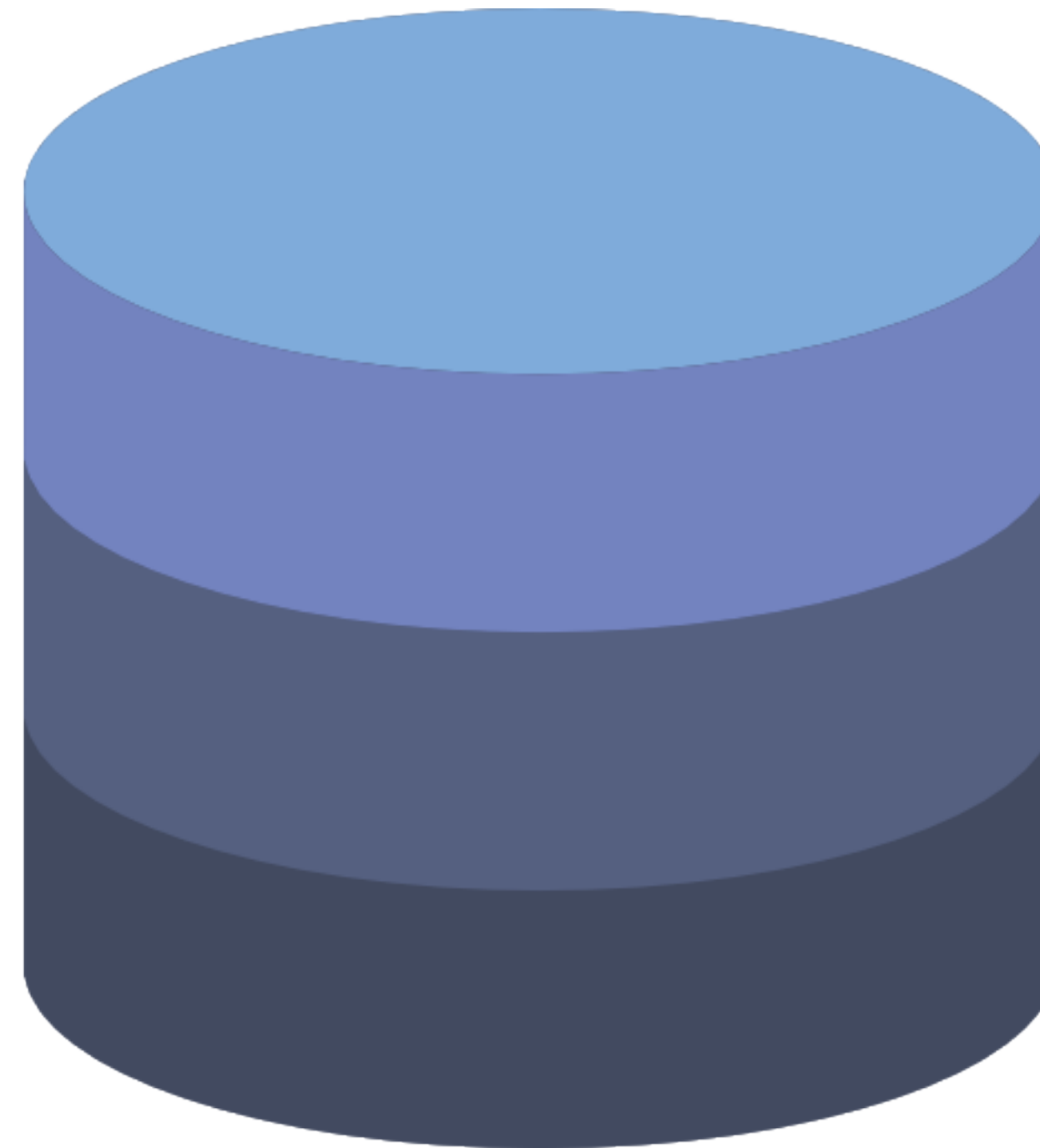
Datos



Pocos



Algo



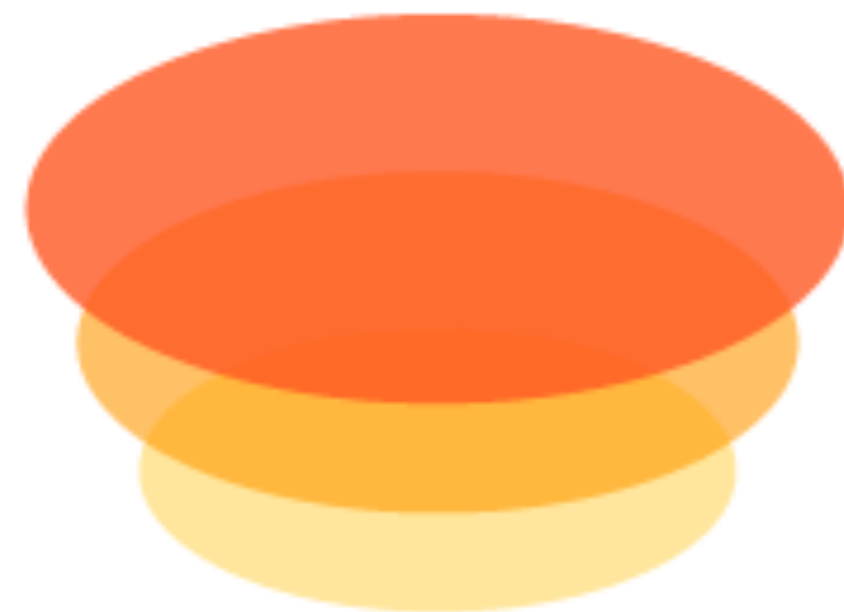
Muchos















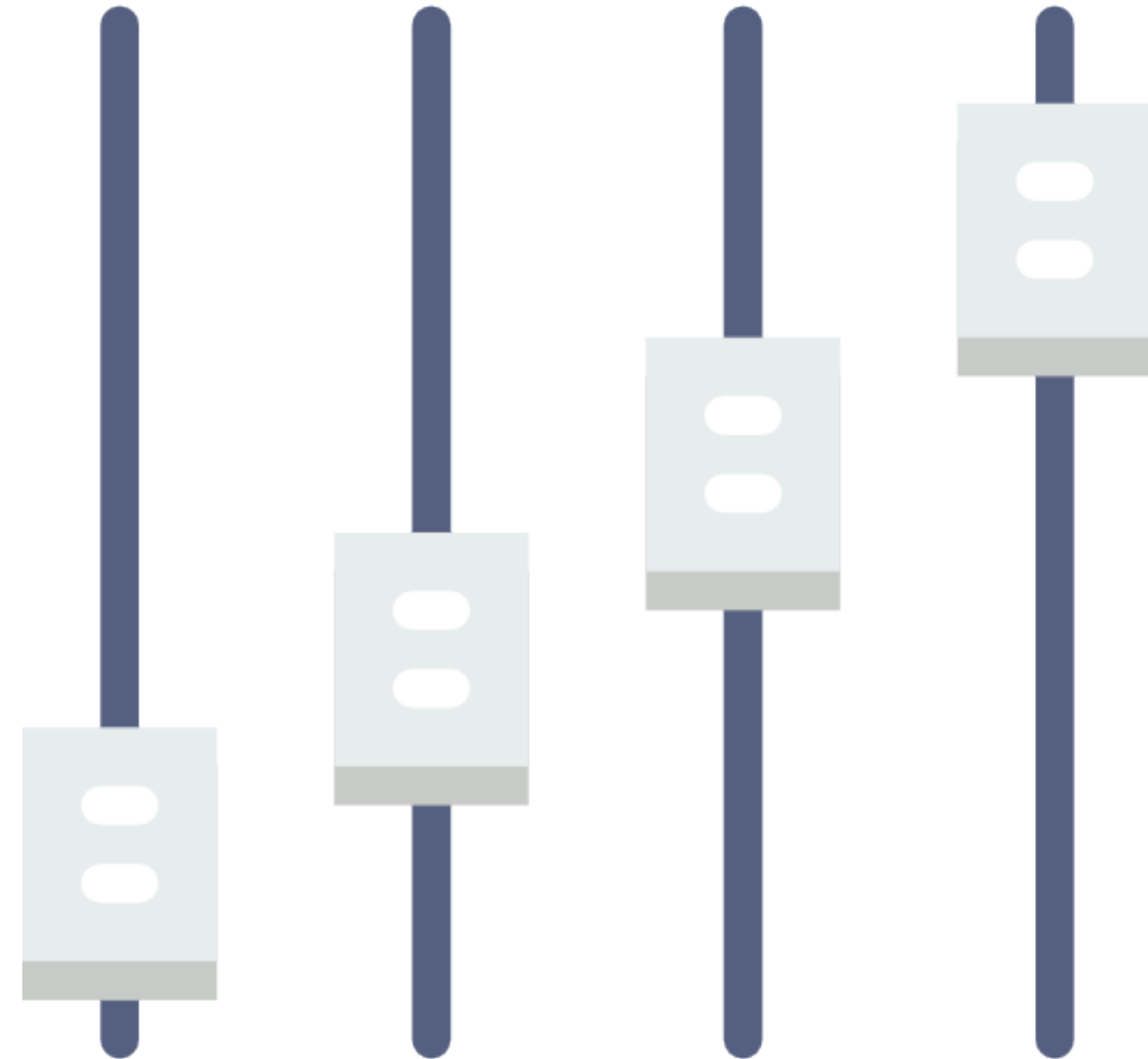
Analogy-X

Case-Based Reasoning

- ANGEL
- ACE
- GRACE
- AQUA

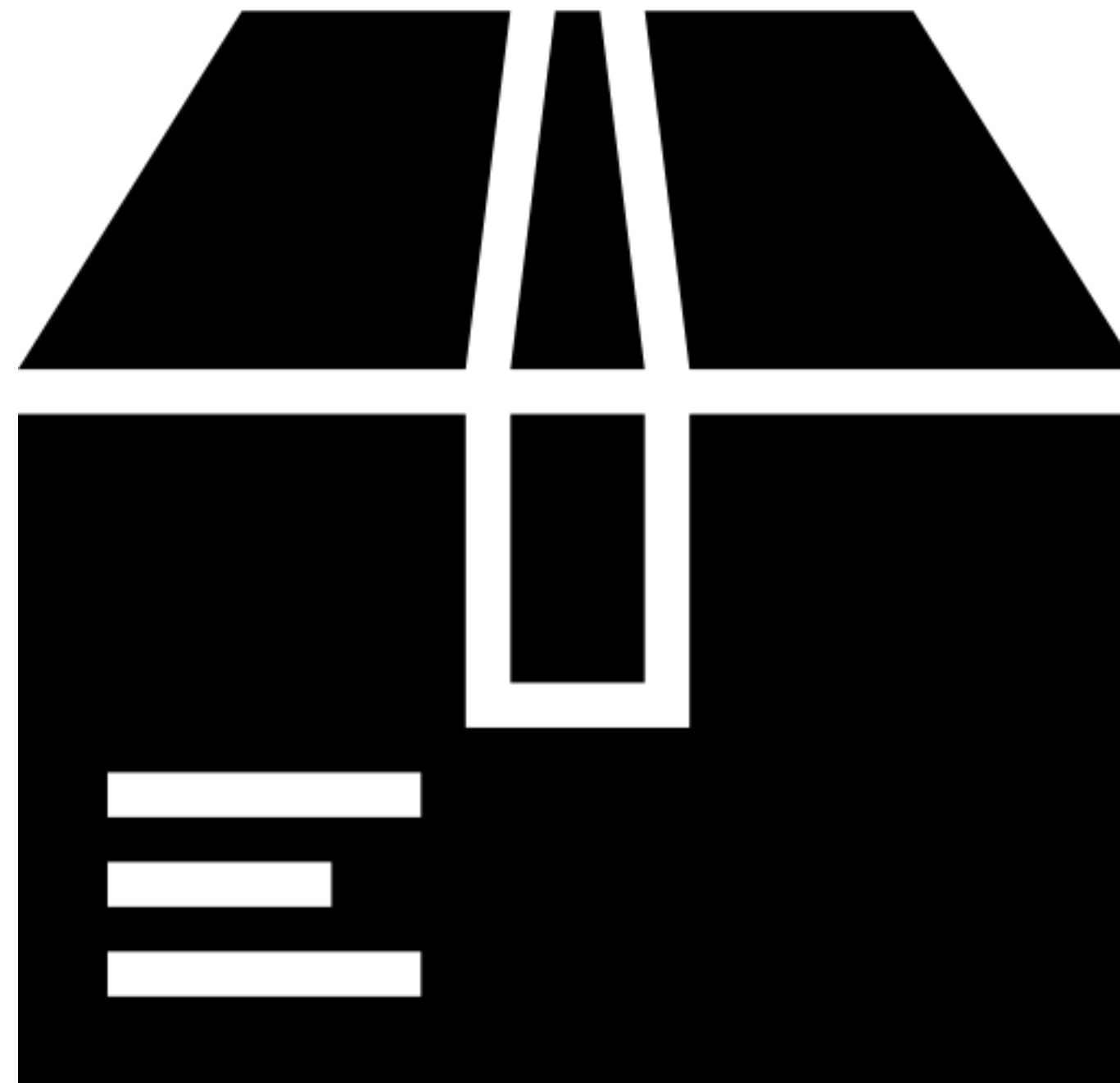


Paramétrico



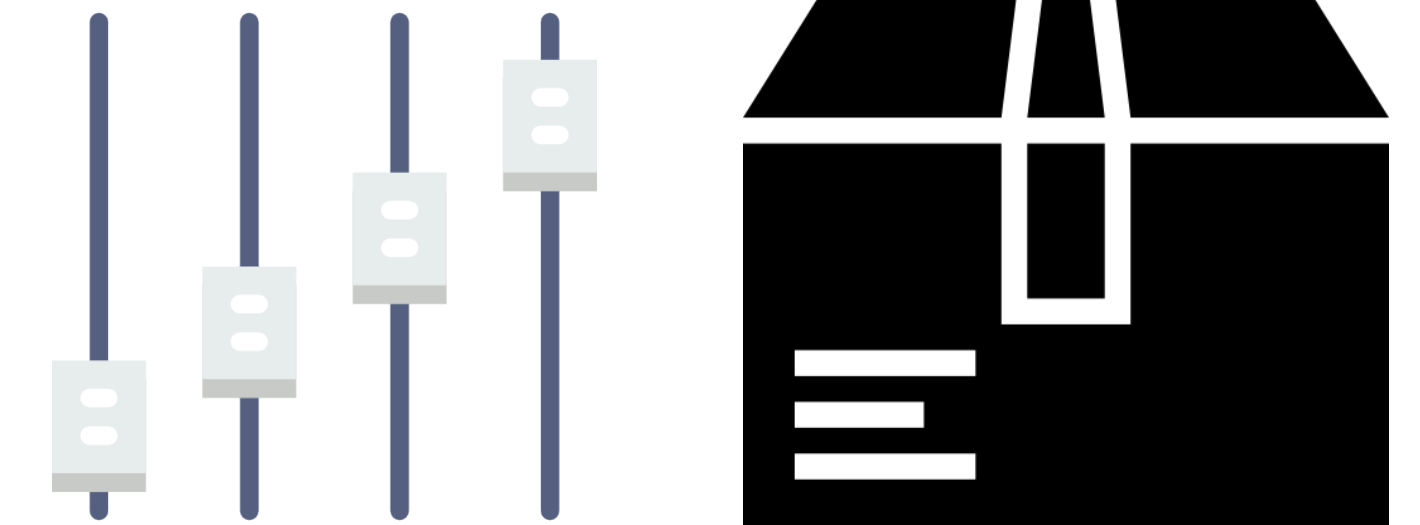
COCOMO I/II
SLIM

No Paramétrico



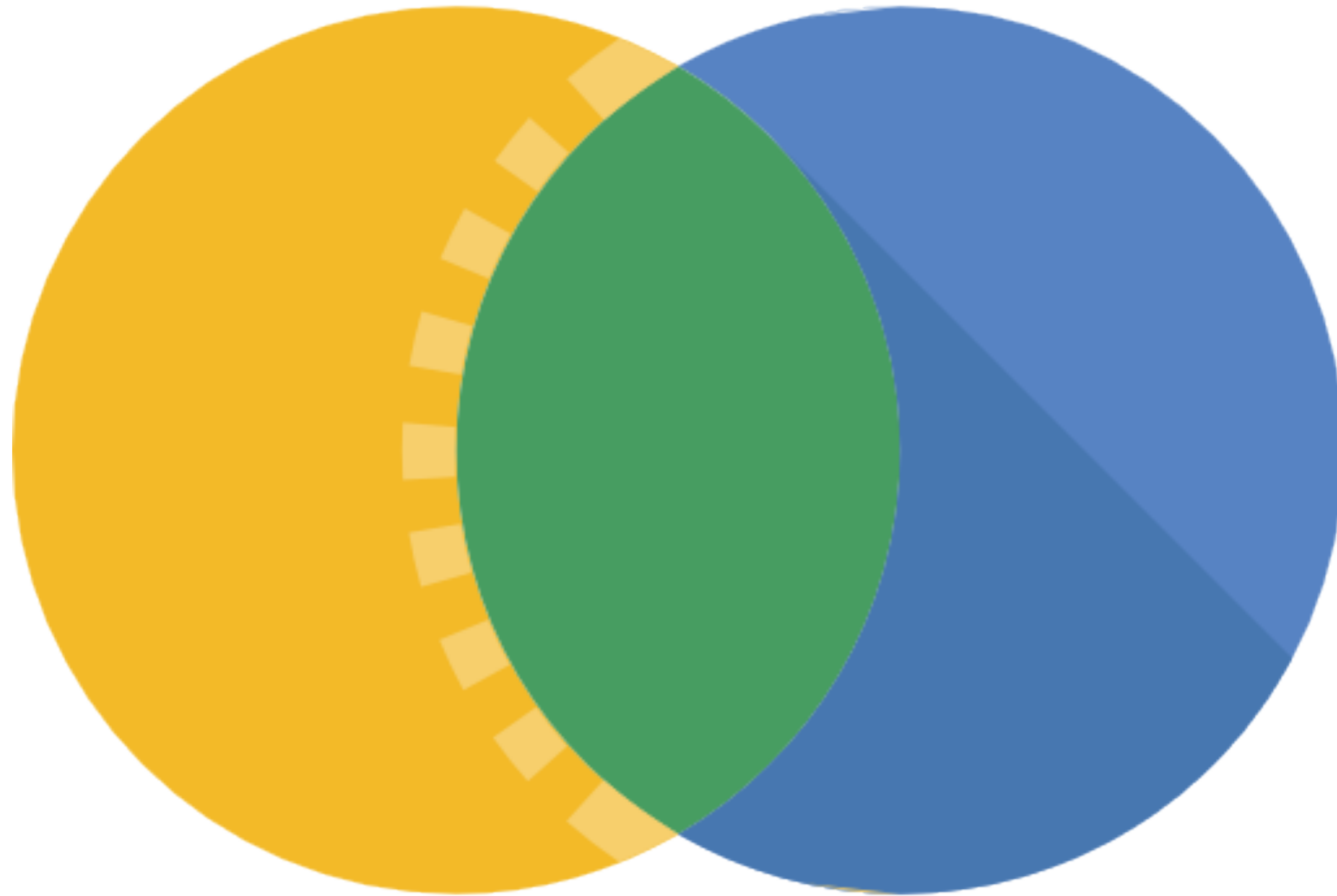
HIDER
Decision Trees

Semi Paramétrico



EA-MARS
CART + OLS

Híbrido o compuesto

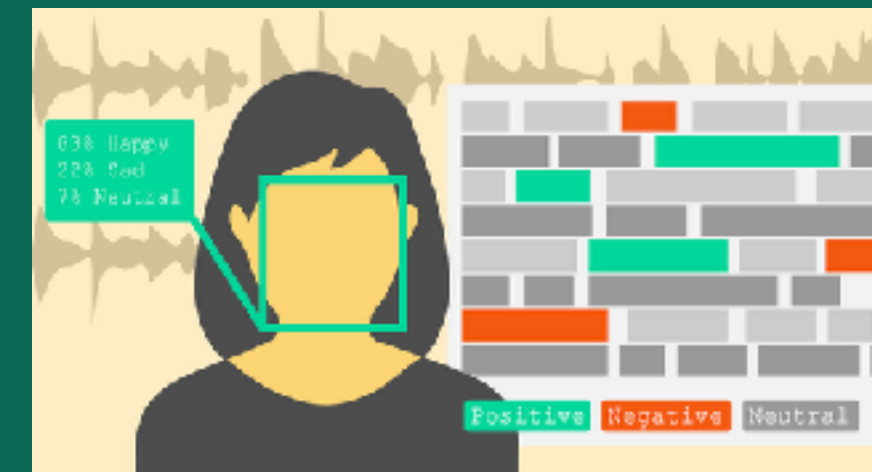
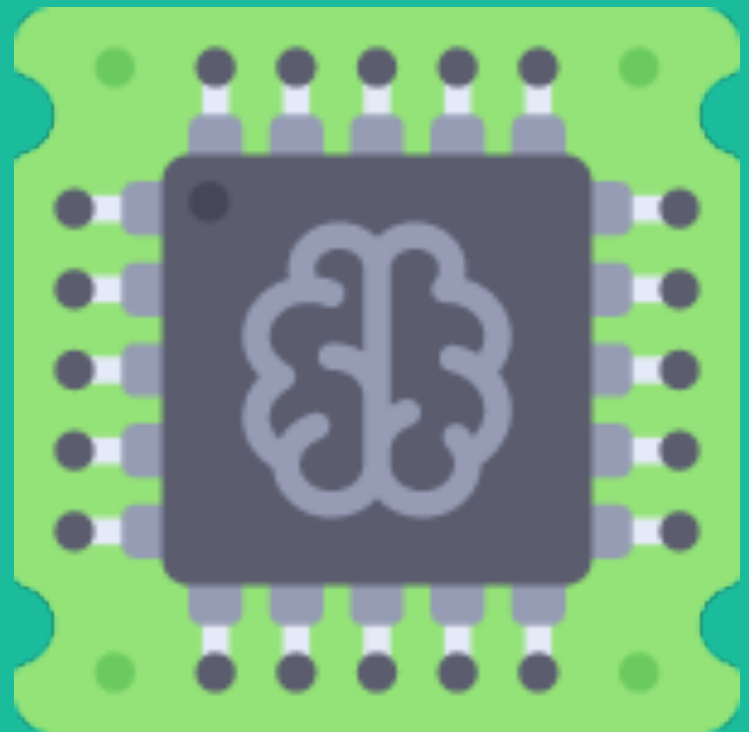


Analogy + COCOMO II
Expert + COCOMO

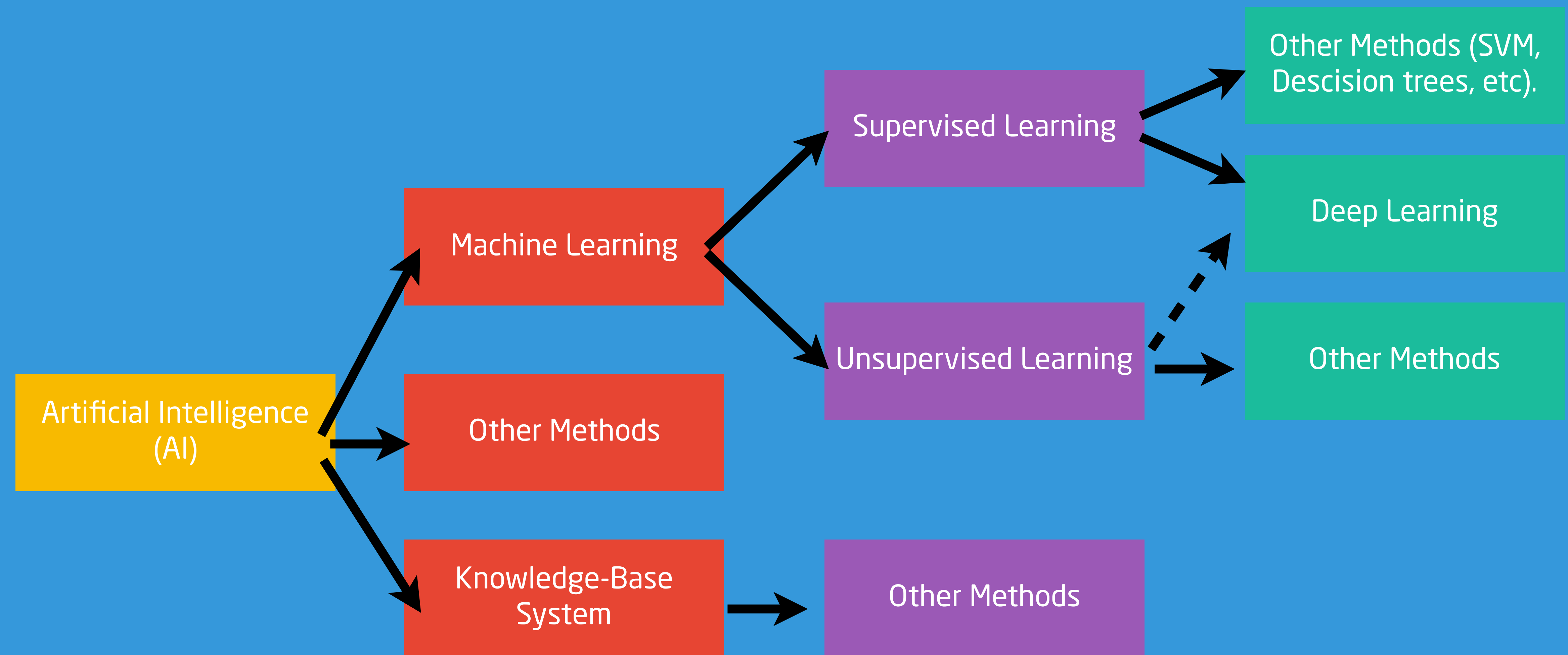
Artificial Intelligence

Machine Learning

Deep Learning

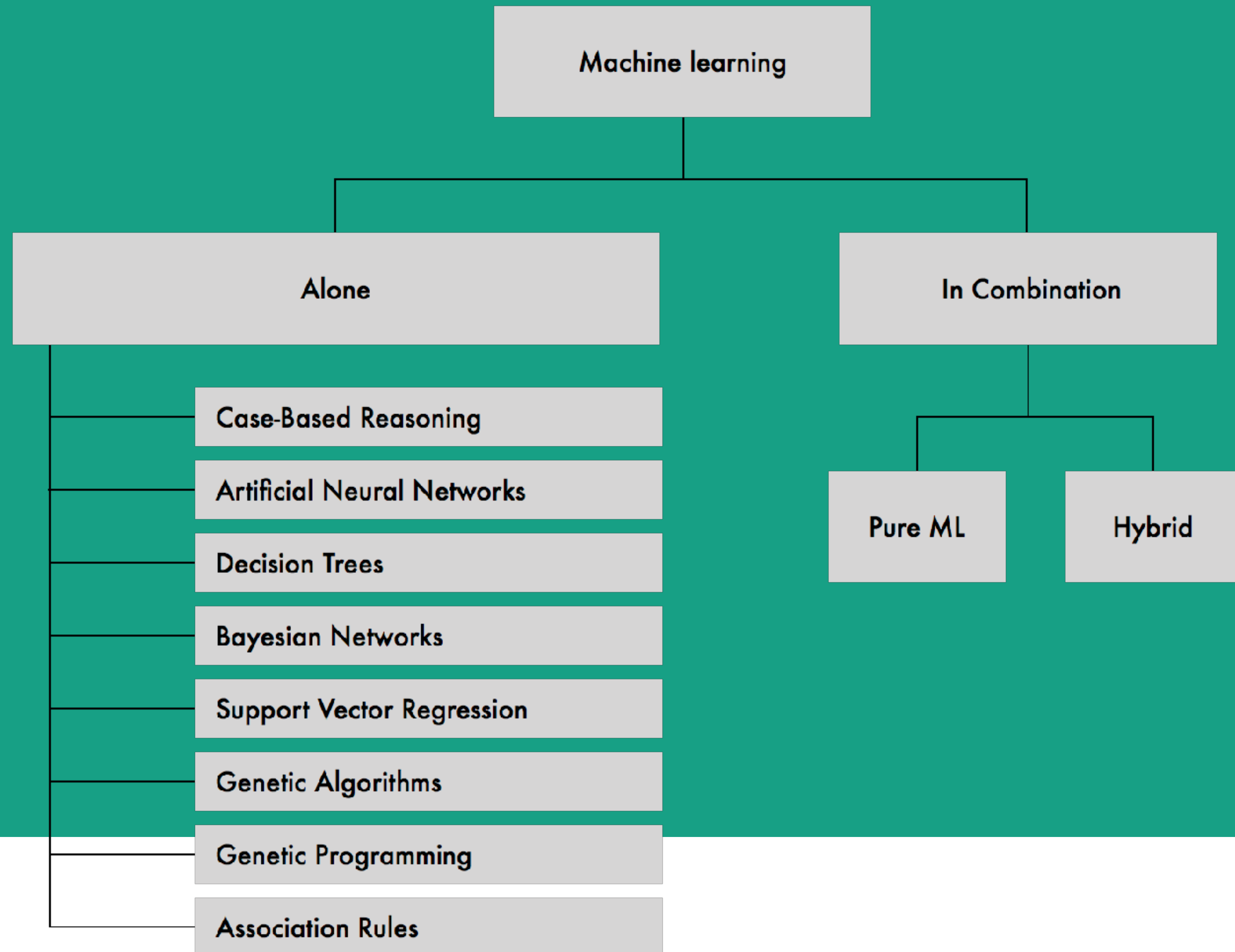


1950 1960 1970 1980 1990 2000 2010

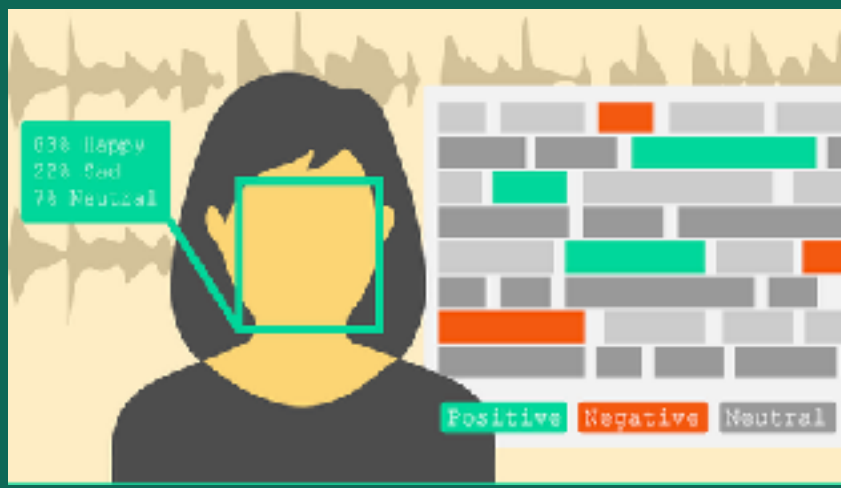


De que hablamos cuando hablamos de Deep Learning

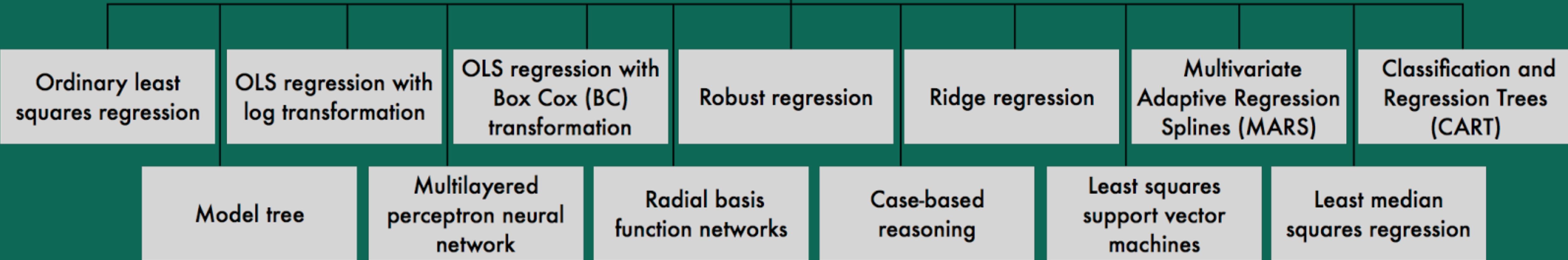
Machine Learning



Deep Learning



Data Mining Techniques for Software Effort Estimation

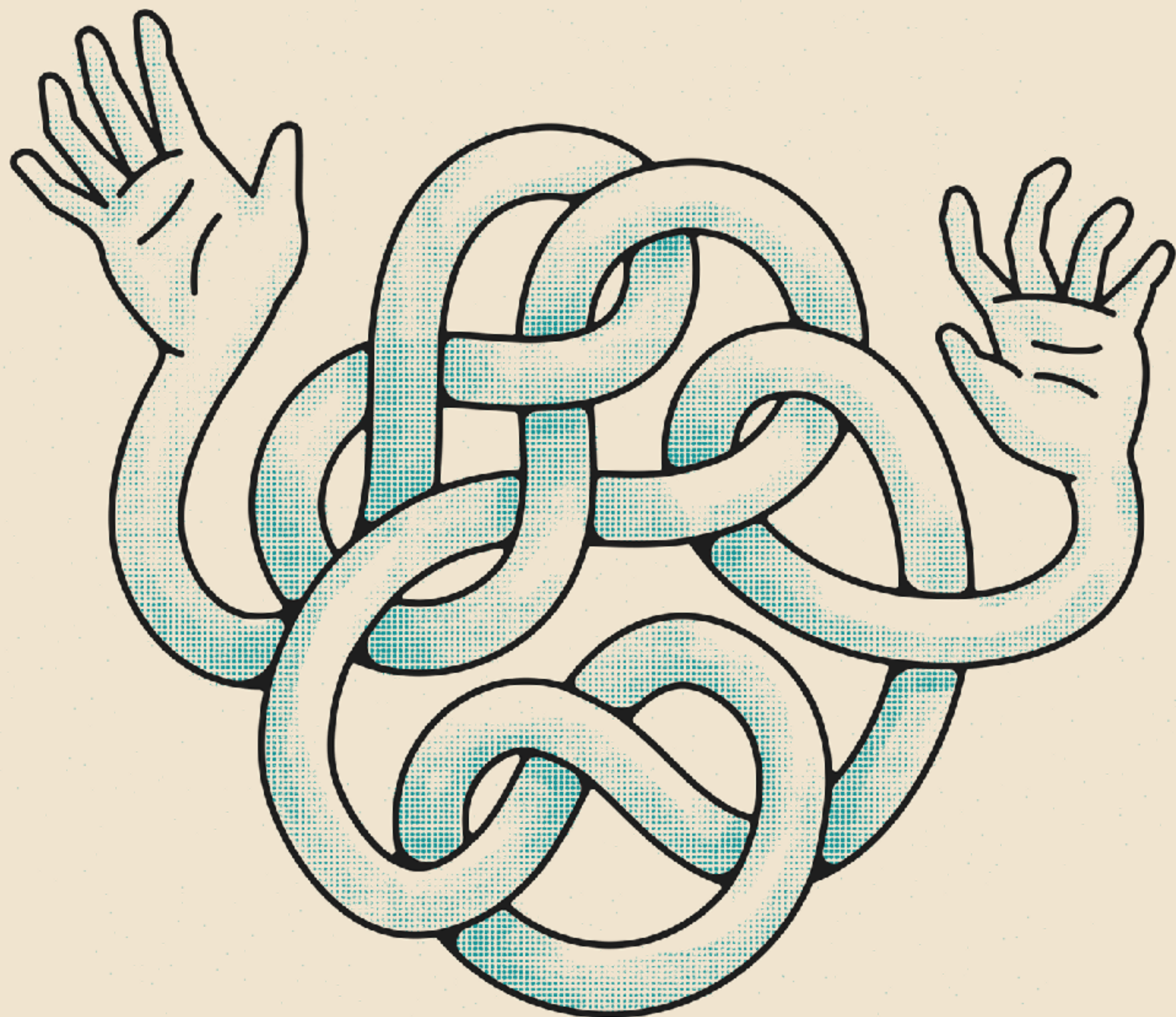


119 Técnicas

Un Feature Model



Techniques	Classification Dimensions	Licence			Data				Parametric				Expert			Model		Analogy		Regression			Composite			Artificial Intelligence				
		Proprietary	Non-Proprietary	Unknown	Many data	Sparse Data	No Data	Unknown	Parametric	Non-Parametric	Semi-Parametric	Unknown	Need Expert	No Need Expert	Unknown	Model-Based	No Model-Based	Unknown	Analogy-Based	No Analogy-Based	Unknown	Regression-Based	No Regression-Based	Unknown	Composite Technique	Single Technique	Unknown	AI-Based	No AI-Based	Unknown
	Delphi		x			x			x			x				x			x			x			x				x	
	Work Breakdown Structure (WBS)		x			x			x			x				x			x			x			x				x	
	Rule Based			x		x					x	x				x			x			x			x					x
	Guesstimation		x			x			x			x				x			x			x			x				x	
	Estimating		x			x			x			x				x			x			x			x				x	
	Planning Game		x			x			x			x				x			x			x			x				x	
	Expert Judgment		x			x			x			x				x			x			x			x				x	
	Analytic Hierarchy Process (AHP)		x			x			x			x				x			x			x			x				x	
	Planning Poker		x			x			x			x				x			x			x			x				x	
	Constructive Agile Estimation Algorithm		x			x			x			x				x			x			x			x				x	
	Checkpoint		x			x			x				x			x			x			x			x				x	
	Estimacs		x			x			x				x			x			x			x			x				x	
	PRICE-S		x			x			x				x			x			x			x			x				x	
	SEER-SERM		x			x			x				x			x			x			x			x				x	
	SLIM			x		x			x				x			x			x			x			x				x	
	Softcost		x			x			x				x			x			x			x			x				x	
	COCOMO			x		x			x				x			x			x			x			x				x	
	COCOMO II			x		x			x				x			x			x			x			x				x	
	COSTAR		x			x			x				x			x			x			x			x				x	
	Cost Xpert		x			x			x				x			x			x			x			x				x	
	Estimate Professional		x			x			x				x			x			x			x			x				x	
	SELECT Estimator		x			x			x				x			x			x			x			x				x	
	StepWise ANOVA		x			x			x				x			x			x			x			x				x	
	Fuzzy COCOMO			x		x			x				x			x			x			x			x			x		

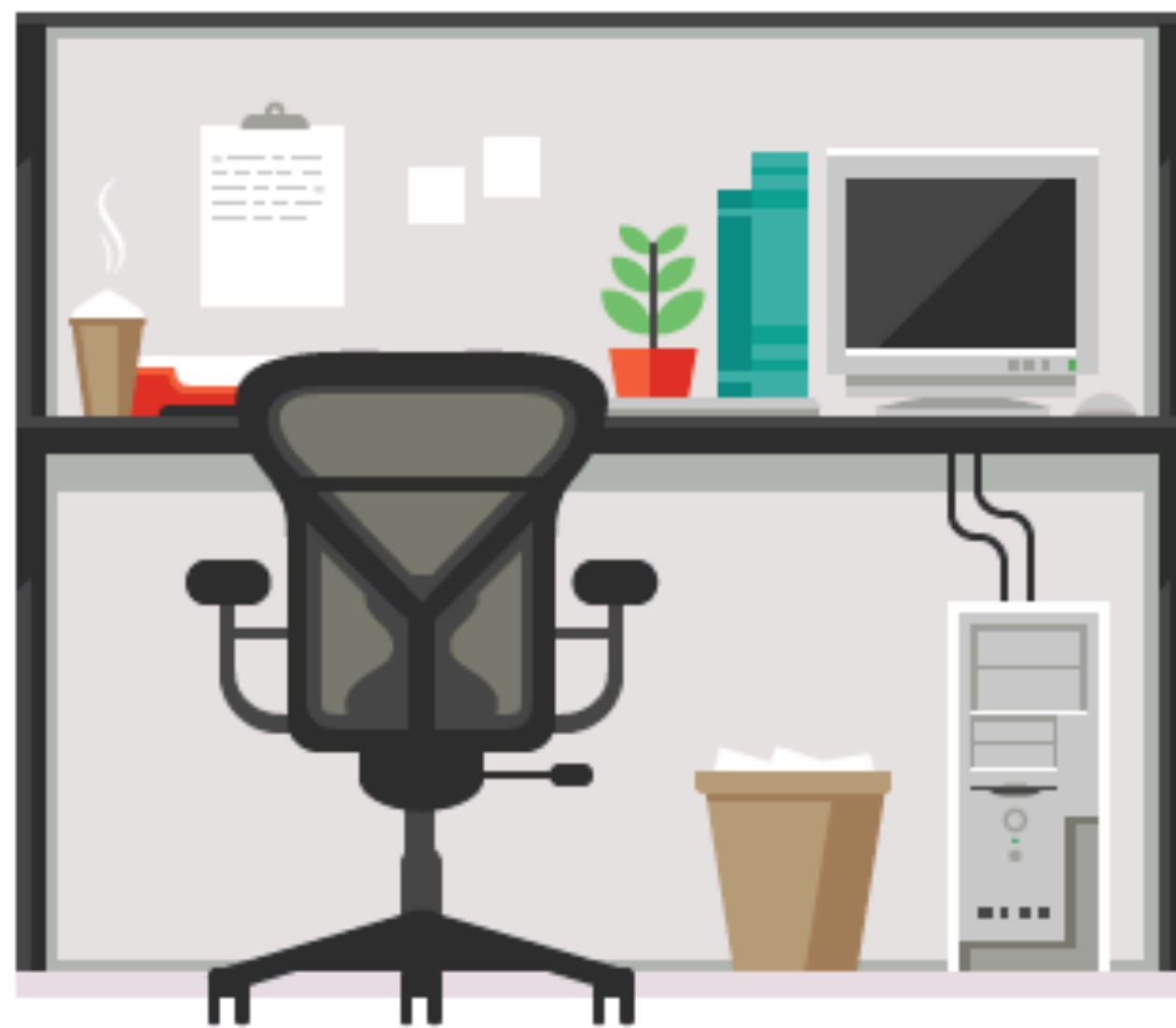






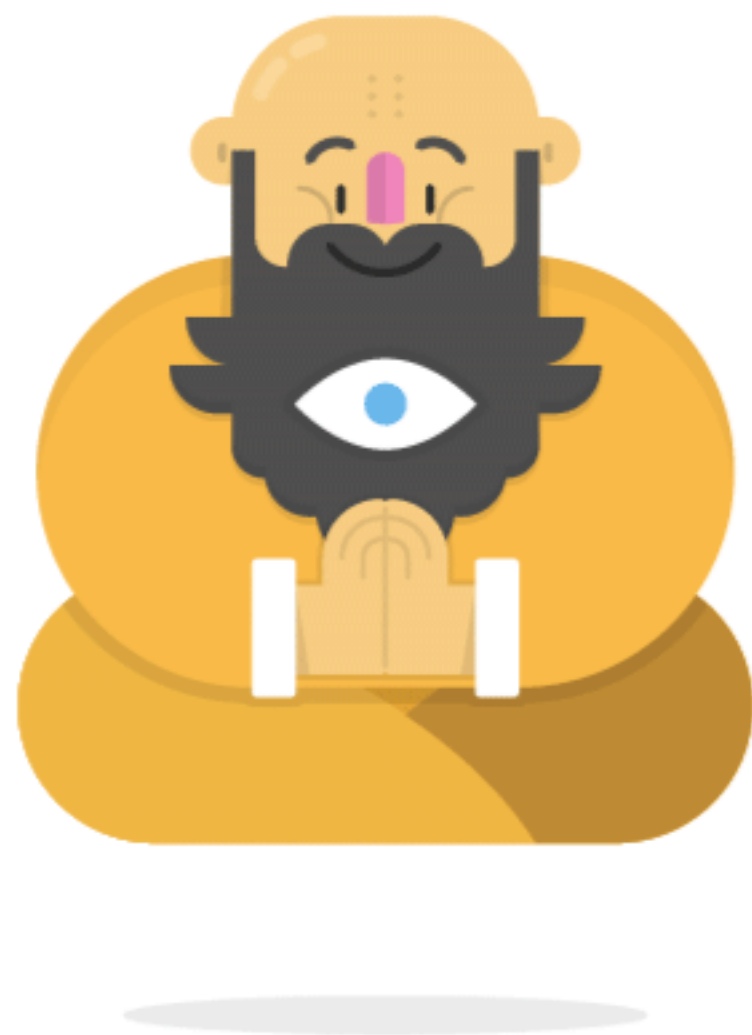








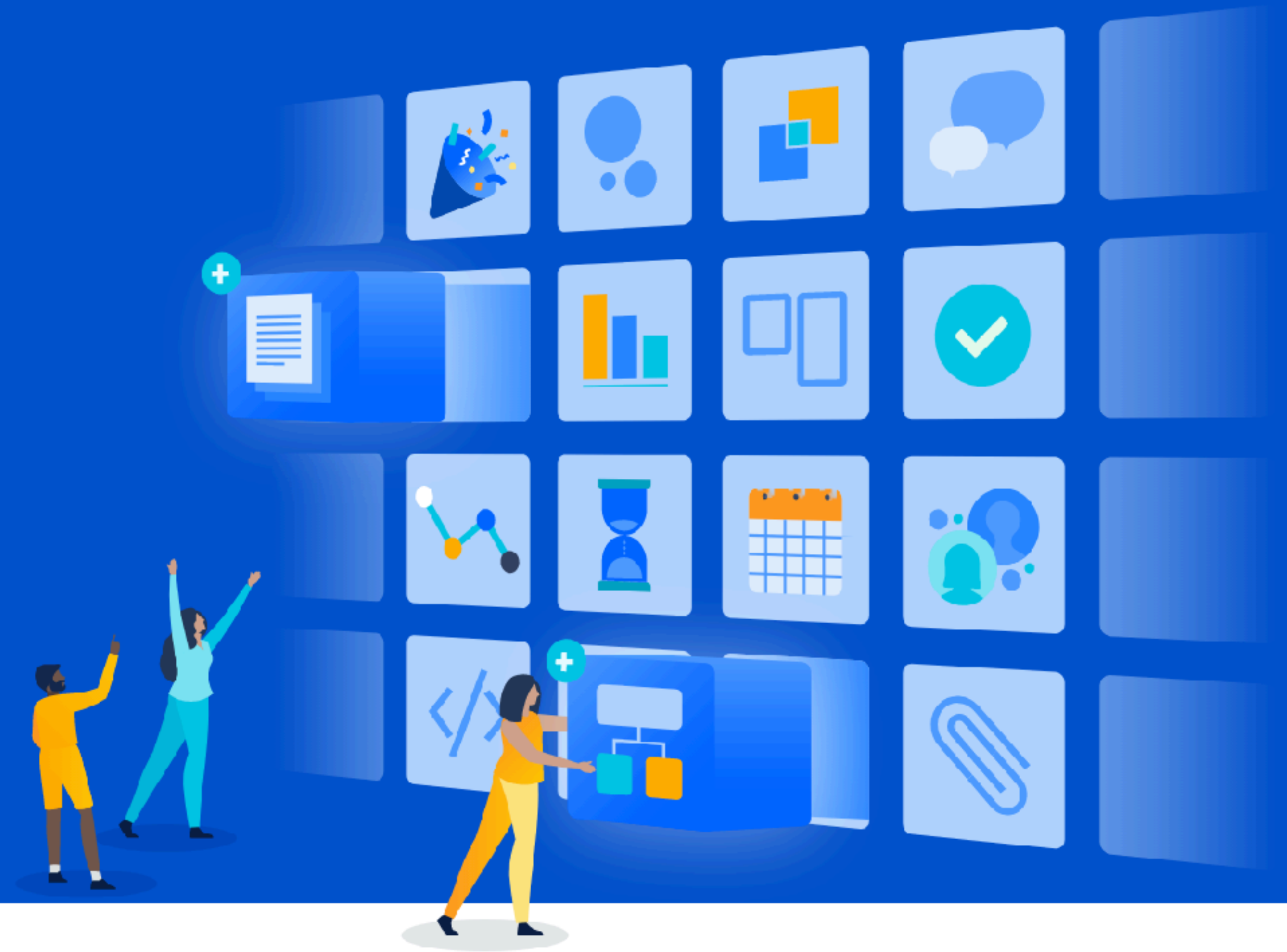
Pequeñas y Medianas Empresas





¿Estimaque?

Muchas Gracias



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