Building A Digital Cheese Sommelier

By Michael Knight

















Bleu de Gex

Maccagno cheese

Berkswell cheese

Maroilles cheese

Mozzarella

Queso fresco













Smoked cheese

Bergader Almkase cheese

Sheep milk cheese from Poland

Cœur de Neufchâtel

Devil's Gulch cheese

Camembert













Saint-Julien aux noix

Bavaria blu cheese

Edam

Sainte-Maure de Touraine

Tentation du Vercors

Bleu d'Élizabeth















Météorite fromage https://en.wikipedia.org/wiki/Cheese

Ricotta

Rigotte de Condrieu

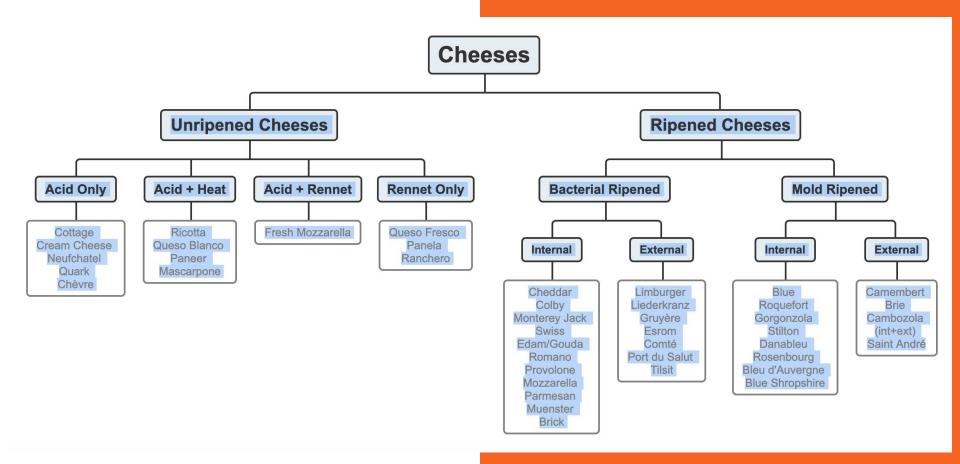
Parmigiano reggiano

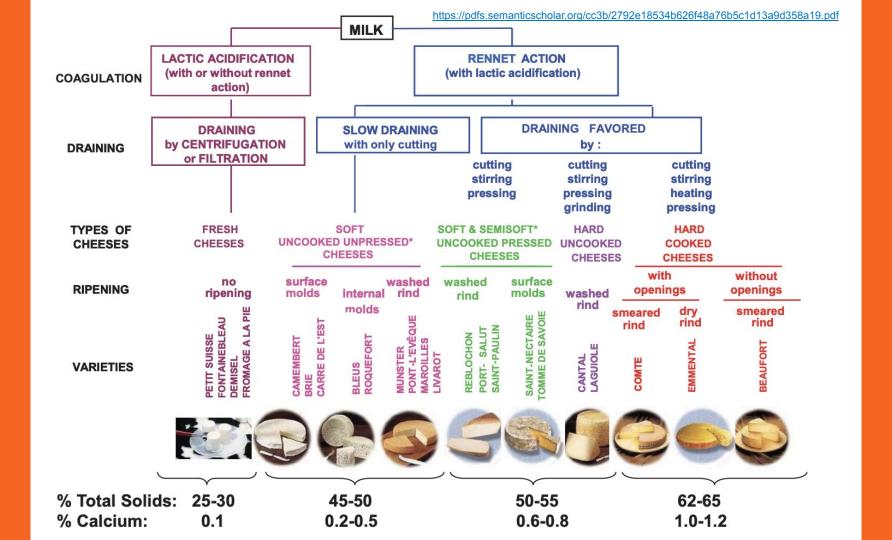
Chabichou du Poitou

Österkron blue cheese

So Much Cheese!

There are over 3,000 cheeses that exist around the world (750 from France alone!), with around 500 different varieties recognized by the International Dairy Federation (and that's only as of 1981!)







If only there were some machine that could "recommend" a cheese, should it be given a cheese I like and a list of features that I wanted the "recommended" cheese to satisfy...

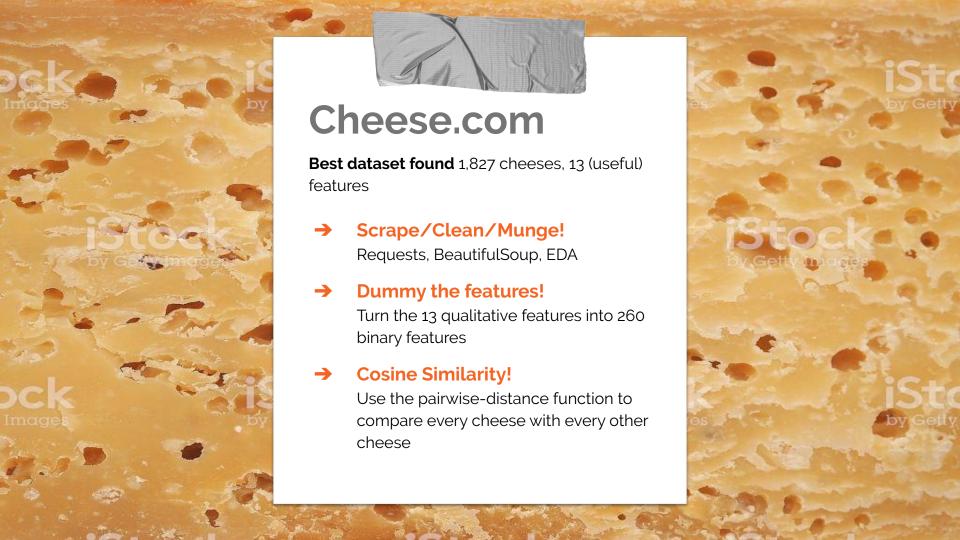
Oh SNAP wait a tick





Tip

The Python coding language was named after Monty Python, so try to incorporate it into at least one presentationt.



Name	Milk	Country of origin	Region	Туре	Texture	Rind	Flavour	Aroma	Vegetarian	Producers	Description	Fat content	Family
Boursault	pasteurized cow's milk	France	Val-de-Marne	soft, soft- ripened	creamy, smooth and spreadable	bloomy	buttery, citrusy, nutty, salty	earthy	no	NaN	Originating in the French region of Val- de-Mar	75.0	Brie
Brillat- Savarin	pasteurized cow's milk	France	lle de France	semi- soft, artisan	creamy and dense	mold ripened	buttery, nutty, sour	milky	no	Fromagerie Lincet, Fromagerie Rouzaire	Brillat-Savarin is a triple cream dessert chee	75.0	NaN
Creamy Lancashire	pasteurized or unpasteurized cow's milk	England	Lancanshire	fresh soft, artisan	creamy, fluffy and smooth	natural	buttery, creamy, smooth	rich	no	Butlers Farmhouse Cheeses, Dewlay Products Ltd	Lancanshire cheese has been made in Lancanshir	75.0	NaN
Delice de Bourgogne	pasteurized cow's milk	France	Burgundy	soft, soft- ripened	creamy and smooth	bloomy	buttery, mushroomy, smooth, tangy	mushroom, pungent, strong	no	Fromagerie Lincet	Delice de Bourgogne is a French classic triple	75.0	Brie
Explorateur	cow's milk	France	Île-de-France	soft	smooth and soft- ripened	bloomy	mild	NaN	no	Fromagerie du Petit Morin	L'Explorateur is a soft- ripened French cow's m	75.0	NaN
Finn	unpasteurized cow's milk	England and United Kingdom	Herefordshire	soft, artisan	creamy and firm	bloomy	buttery, nutty, salty, sweet	earthy, fresh	no	Neal's Yard Dairy	Finn is an unpasteurised, soft-white cheese pr	75.0	NaN
Grand Vatel	pasteurized cow's milk	France	Val-de-Marne	soft, soft- ripened	creamy, smooth and spreadable	bloomy	buttery, citrusy, nutty, salty	earthy	no	NaN	Originating in the French region of Val- de-Mar	75.0	Brie

	Fat_less than 0.15%	Fat_0.16- 3%	Fat_4- 19%	Fat_20- 39%	Fat_40- 59%	Fat_60- 74%	Fat_75%+	Milk_vegan	Milk_cow	Milk_goat		Country of origin_Palestine	Country of origin_Belarus
Name													
Abbaye de Belloc	0	0	0	0	0	0	0	0	1	0	•••	0	0
Abbaye de Belval	0	0	0	0	1	0	0	0	1	0		0	0
Abbaye de Citeaux	0	0	0	0	0	0	0	0	1	0		0	0
Abbaye de Timadeuc	0	0	0	0	0	0	0	0	1	0		0	0
Abbaye du Mont des Cats	0	0	0	0	1	0	0	0	1	0		0	0
Abbot's Gold	0	0	0	0	0	0	0	0	1	0		0	0
Abertam	0	0	0	0	1	0	0	0	0	0		0	0
Abondance	0	0	0	0	1	0	0	0	1	0		0	0
Acapella	0	0	0	0	0	0	0	0	0	1		0	0
Accasciato	0	0	0	0	0	0	0	0	1	0		0	0
Ackawi	0	0	0	0	0	0	0	0	1	1		0	0
Acorn	0	0	0	0	1	0	0	0	0	0		0	0
Adelost	0	0	0	0	1	0	0	0	1	0		0	0
ADL Brick Cheese	0	0	1	0	0	0	0	0	1	0		0	0
ADL Mild Cheddar	0	0	1	0	0	0	0	0	1	0		0	0

With a sleek elegant dropdown display % ipywidgets, finding your cheese is sexy and fun

Hello there, I will be your Digital Cheese Sommelier this evening. Can I make a recommendation? Please select a cheese you like and/or any cheese categories you may fancy: (When you have selected your choices, please push the Recommend button at the bottom of the list) La Tur V name cheese_type V texture creamy V flavor mushroomy V barnyardy V aroma rind V vegetarian V family Denmark country V milk sheep V unpasteurized pasteurized V fat content 60-74% V Recommend

Unless you haven't worked in a cheese shop and read 4 different books on cheeses since age 15, then

THE RESULTS SPEAK FOR THEMSELVES



La Tur

Name

Rochebaron	0.515456
Perail de Brebis	0.569294
Cabrales	0.569472
Fresh Ricotta	0.569472
Brousse du Rove	0.578650
Doublet	0.582971
Baladi	0.617308
Bica de Queijo	0.617308
Hannah	0.635100
Odysseus Marinated Feta	0.635100

Michael Knight



Army of One For Cheese