Kotonush

Understanding Concepts Based on Values behind Social Media

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Introduction

Ordering concepts from various perspectives is essential to make decisions in a daily life



Task Setting

a set of concepts + an adjective + domain info

concepts ordered by attribute intensity



We regard the ordering that maximizes averaged Spearman's p against human orderings as gold standard

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Query	Ave. p	. ρ Gold standard orderings (row1: male, row2: female)				
flower	0.632	Μ	sakura, rose, lily, sunflower, lavender, camellia, platycodon, daisy			
(beautiful)	0.606	F	sakura, rose, lily, camellia, sunflower, platycodon, lavender, daisy			
jewelry (elegant)	0.443	Μ	emerald, sapphire, ruby, pearl, amethyst, opal			
	0.552	F	pearl, sapphire, emerald, ruby, amethyst, opal			
alcohol (delicious)	0.151	Μ	champagne, wine, beer, highball, chuhai, whisky, shochu			
	0.541	F	champagne, chuhai, wine, highball, beer, whisky, shochu			
sport (entertaining)	0.407	Μ	baseball, football, tennis, volleyball, basketball, table tennis, pro wrestling, sumo			
	0.558	F	football, volleyball, tennis, baseball, table tennis, basketball, sumo, pro wrestling			
food (yummy)	0.395	Μ	steak, ramen, curry, pizza, pasta, fried rice, hamburger			
	0.406	F	steak, pasta, pizza, curry, ramen , hamburger, fried rice			
animal (lovely)	0.721	Μ	squirrel, rabbit, penguin, dog, panda, horse, lion, lizard			
	0.679	F	dog, squirrel, penguin, rabbit, panda, lion, horse, lizard			
vegetable (tasty)	0.448	Μ	pumpkin, onion, eggplant, cucumber, spinach, napa cabbage, sprout, broccoli			
	0.283	F	pumpkin, onion, spinach, napa cabbage, eggplant, cucumber, broccoli, sprout			
appliance (useful)	0.793	Μ	PC, smartphone, car navigation system, digital camera, printer, speaker			
	0.817	F	smartphone, PC, car navigation system, digital camera, printer, speaker			
flesh (preferable)	0.620	Μ	beef, chicken, pork, lamb			
	0.492	F	chicken, pork, beef, lamb			
fast-food (tasty)	0.673	Μ	MOS Burger, KFC, Mister Donut, McDonald's			
	0.463	F	same			
fruit (large)	0.896	Μ	melon, apple, peach, persimmon, grape, tangerine, strawberry, cherry			
	0.880	F	melon, apple, peach, persimmon, tangerine, grape, strawberry, cherry			
actress (cute)	0.669	Μ	Ki Kitano, Yuka, Kazue Fukishi, Akina Minami, Yumiko Shaku, Rinka, Tomochika			
	0.595	F	same			

This column shows the average Spearman's p between the gold standard and human orderings => How much people in the same domain (e.g., men) agree with their gold

Want to see codes & more data ? Please visit: http://www.tkl.iis.u-tokyo.ac.jp/~nari/coling-16/

Flower (Beautiful): Seasons									
Mar. – May.	Jun Aug.	Sep			ws blooming				
Spring	Summer	Winter		season o	of each flower				
Cherry	Sunflower		1um 🦯						
Mum	Cherry	Sunflower		Den	gue fever				
Sunflower	Mum	Cherry		spre	eaded in 2014				
Fruit (Delicious): Regions Disease (Fearful): Years									
Tohoku	Shikokı	L	20)13	2014				
Apple	Tangeri	ne	Influenza		Dengue				
Strawberry	Apple		Mal	laria	Influenza				
Tangerine	Strawber	rry	Dengue		Malaria				

Tohoku and Shikoku regions are famous for production of apple and tangerine, respectively