

#### Data can be anything! Cool Stuff in Data

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## Data can be Numbers



# National Health and Nutrition Examination Survey

<b>WTMEC2YR</b>	104236.583	16116.354	2869	127965	13384	64068.123	5303	6245.044	14783.601	8291.637
WTINT2YR	102641.406	15457.737	7397.685	127351.373	12209.745	60593.637	5024.465	5897.025	14391.778	7794.527
dmdmartl	5	NA	NA	1	NA	NA	NA	NA	2	NA
RIDRETH1	3	1	5	3	4	3	2	5	5	2
ridstatr riagendr	1	2	1	2	2	1	1	1	1	1
ridstatr	2	2	2	2	2	2	2	2	2	2
sedn	62161	62162	62163	62164	62165	62166	62167	62168	62169	62170



### Data can be images

https://quickdraw.withgoogle.com/







"Eigenfaces" by Gunnar Grimnes is licensed under CC BY 2.0 "Face detection" by Sylenius is licensed under CC BY 2.0

"Great picture..." by Dion Hinchcliffe is licensed under CC BY-SA 2.0

"Satellite view of a hurricane" – CCO 1.0 "Serra do Mar forest WWF.jpg" – CCO 1.0

Artist concept of the Orbiting Carbon Observatory. Image credit: NASA/JPL



#### Data can be Words



Figure 8: An example article from the AP corpus. Each color codes a different factor from which

mage source: https://www.healthit.gov/topic/health-it-and-health-information-exchange-basics/health-it-and-health-information-exchange

|mage source: http://botnik.org/content/harry-potter.html |mage source: Page 17 http://www.jmlr.org/papers/volume3/blei03a/blei03a.pdf |mage source: https://papers.nips.cc/paper/6228-man-is-to-computer-programmer-as-woman-is-to-homemaker-debiasing-word-embeddings.pdf



#### Data can be Audio

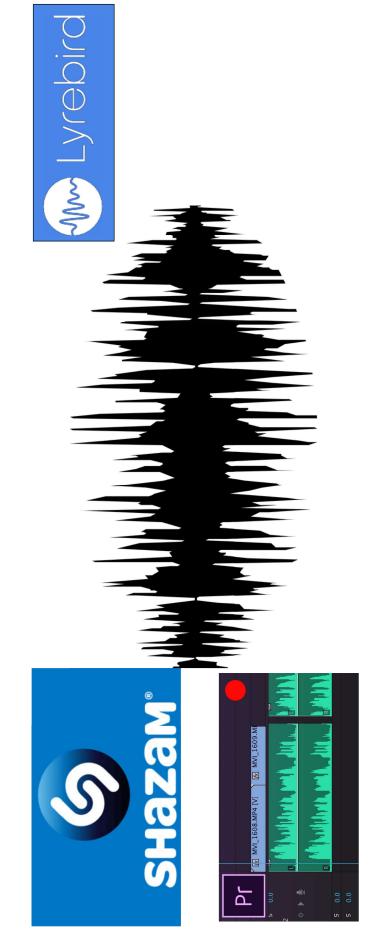


Image source: https://www.youtube.com/watch?v=QGmzII4mmIY



#### Historical Example



