Intro to Data Mining Lecture 2.X

Week 1 Review

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Types of Attributes

Let's fill out this table together

Broad Category	Type	Description	Examples
Categorical Quantitative	Nominal		
	Ordinal		
Numeric Qualitative	Interval		
	Ratio		

Normalization

- Let's min-max and z-score normalize this data:
  - **16, 24, 28, 35, 40, 49, 61, 73, 87, 92**; mean = 50.5, sd = 26.7
  - **14, 21, 27, 39, 45, 50, 59, 68, 72, 84**; mean = 47.9, sd = 23.1

PCA

- How many principal components should we use here? Why? What if we can't choose between 2 values?