

What is a Venn diagram?

<https://www.lucidchart.com/pages/tutorial/venn-diagram>

A Venn diagram uses overlapping circles or other shapes to illustrate the logical relationships between two or more sets of items. Often, they serve to graphically organize things, highlighting how the items are similar and different.

Venn diagrams, also called Set diagrams or Logic diagrams, are widely used in mathematics, statistics, logic, linguistics, computer science and business. They may be simple diagrams involving two or three sets of a few elements or they may become quite sophisticated, including 3D presentations.

Venn diagrams are used to think through and depict how items relate to each within a particular “universe” or segment. Venn diagrams allow users to visualize data in clear, powerful ways.

Example Venn diagram

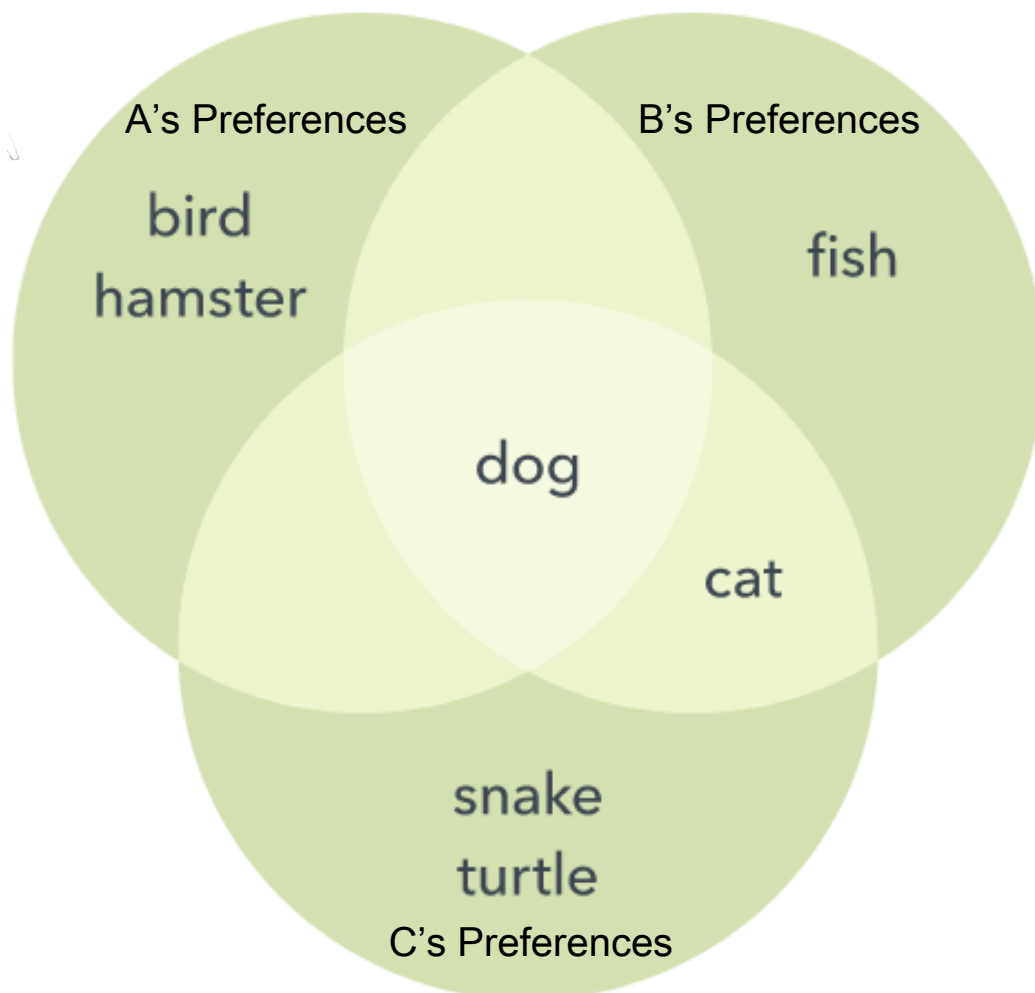
Say our universe is pets, and we want to compare which type of pet our family might agree on.

Set A contains my preferences: dog, bird, hamster.

Set B contains Family Member B’s preferences: dog, cat, fish.

Set C contains Family Member C’s preferences: dog, cat, turtle, snake.

The overlap, or intersection, of the three sets contains only dog. Looks like we’re getting a dog.



Of course, Venn diagrams can get a lot more involved than that, as they are used extensively in various fields.

Other example Venn diagram

