

Assignment #1 Instructions:

Program

You will create a taxonomy of elements to organize what you are looking for, and which will guide you to visually scan any frame of reference to search for appearances of each element from the hierarchy. Each detected element will be tagged with an annotation from the taxonomic hierarchy, creating a database of all detected elements in the frame.

Prerequisites

You'll need:

- A pen
- A graph-paper notebook
- Post-It notes in multiple colors, and/or colored stickers
- To be on-site of the desired frame to annotate

Installation

First, you'll need to create your database.

On a page of graph-paper, begin your taxonomic hierarchy by starting with the encompassing theme or goal of your search visual search query. Break it down into different categories or characteristics. Break each of these down by the same method. Continue until you have the smallest desired unit that you would like to detect.

Note: do not break down units by categories or characteristics that you do not care to distinguish between; do not break down units into any categories or characteristics that you do not know how to visually identify

Now that you have your taxonomic hierarchy, create shorthand titles for each unit. Assign a different colored Post-It for each unit, or branch of units, and label each Post-It with its corresponding unit.

On a new page of graph-paper, create a chart that lists each unit you are searching for across the top, so that you will tally each detection beneath. If you have multiple frames of reference to annotate, make a table listing all your units along one axis, and naming each frame of reference along the other access, and add a row and column to add up totals for each axis.

Settings

Depending on what you are looking for in your data, you may choose to use, or alter, different means of visualizing your findings other than the basic table used above. This includes pie charts, bar charts, graphs, and dot matrices.

Running the Program

With your pen and all Post-It notes, survey your frame of reference. Each time you detect any of your taxonomic units, annotate the finding with its corresponding Post-It note. Be sure to label each Post-It note correctly as you use them.

Do not stop until you have completely and thoroughly surveyed the entire area in your frame of reference.

Results

Once assured of having completed your survey in the frame, count up how many Post-It notes you placed for each unit, and write it down in its correct place in your database findings chart. If you will not need to continue surveying this particular area, you can gather all of the Post-It notes you distributed, and count them physically rather than visually. This is more likely to result in accurate number counts.