

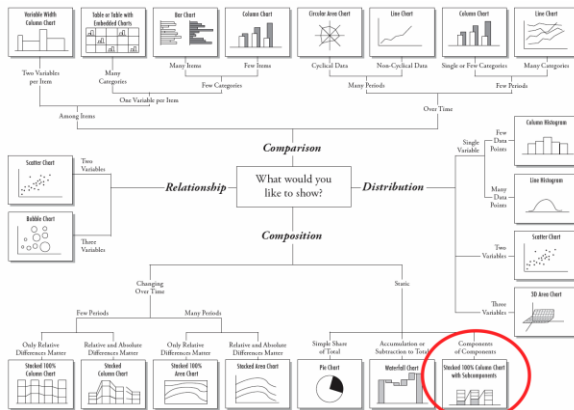
**Paper:** Khadka, S., Vangeloff, A. D., Zhang, C., Siddavatam, P., Heaton, N. S., Wang, L. & Kuhn, R. J. (2011). A physical interaction network of dengue virus and human proteins. *Molecular & Cellular Proteomics*, 10(12), M111-012187.

**[1] What types of visualizations were used?**

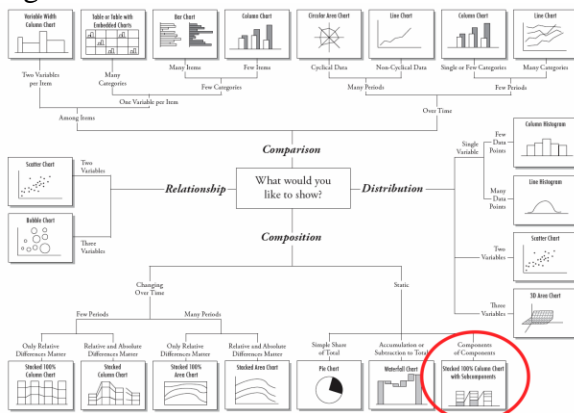
- Confirmatory and presentation visualizations

**[2] Review the slides from the Introduction to Data Visualization Talk given earlier this week, specifically the slide titled. "You've Got Data Now What?" take a look at the URL under point #5: Where do I start? For the visualizations that are in the paper you selected, where do they fit in the diagram found at the URL? What do they show? Consider this a starting point.**

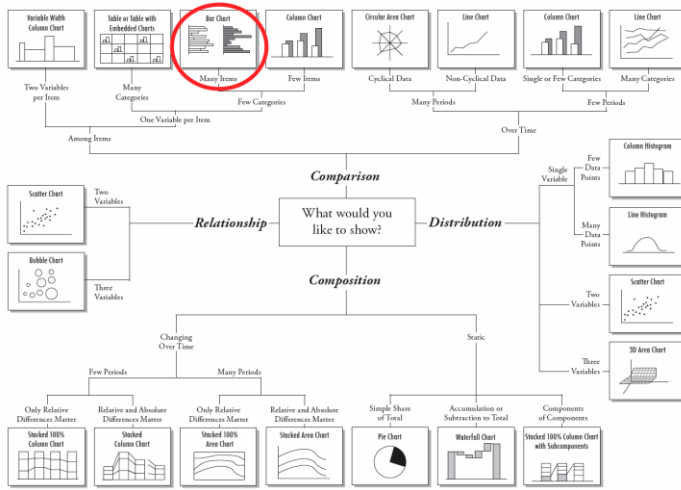
**• Fig 1: A- Node link diagram**



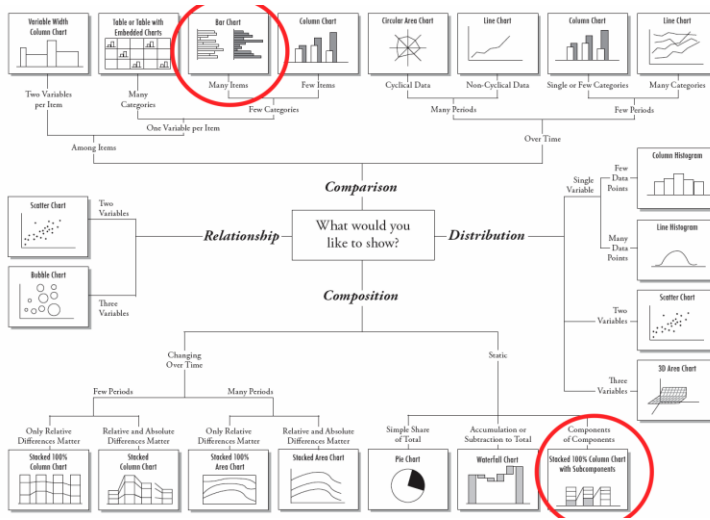
**• Fig 1: B-**



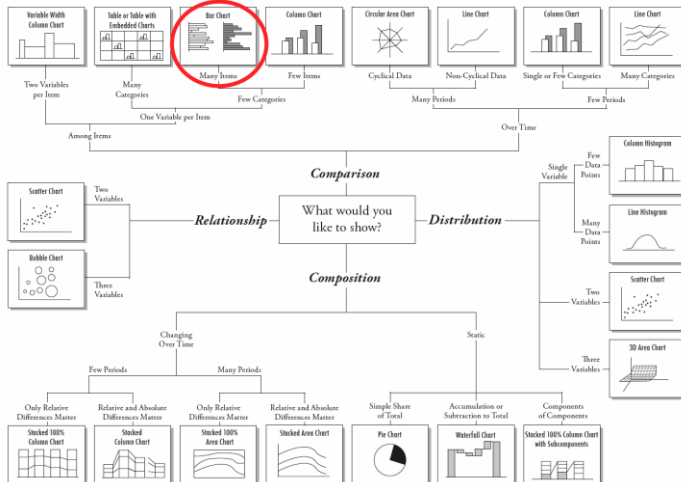
• Fig 2:



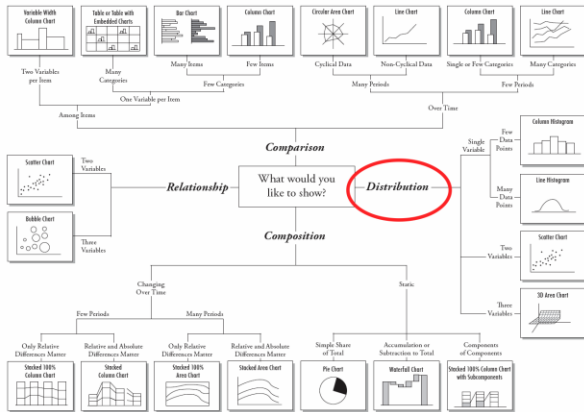
• Fig 3:



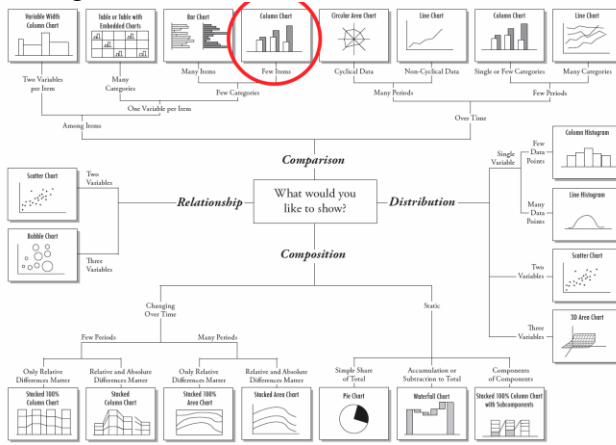
• Fig 4



• Fig 5



• Fig 6



[3] What does the data look like?

- Heterogeneous data. It shows the interactions between viral proteins and human proteins but between the data (EBOV) it also have values such as intensity or level of the interaction (some interactions are so weak that may be due to false positives)

[4] What is being communicated?

- Interactions between viral and human proteins of dengue virus

[5] What are the authors interested in utilizing the visualizations for?

- To compare and contrast the different interactions of dengue virus between the different proteins and among other viruses

Part II: Go to google scholar (google the phrase google scholar) and do a literature search for visualization tools used to view the type of data you will be working with. This will require you to google different terms and phrases to get different results. **Your task is to identify 10 published works that mention or list a visualization tool, technique or method that has been used to visualize the type of data you will be working with.** If you will be working with a particular database or extracting data from a database, google: visualizing <fill in the blank> database data. If you are visualizing multiple types of data, a good search phrase might be: visualizing multiple types of data. If you are visualizing virus data try googling: visualizing <fill in the blank> data. Be creative in your search phrases. You can also do separate searches for each type of data. Consider rearranging the terms in the search. For example, uncertainty visualization and visualization uncertainty will result in a wider range of results.

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