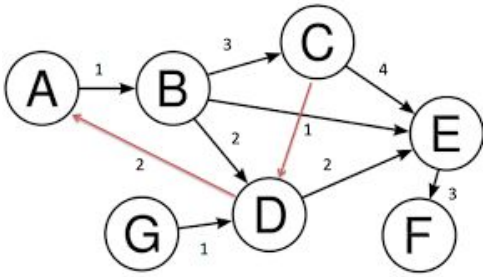
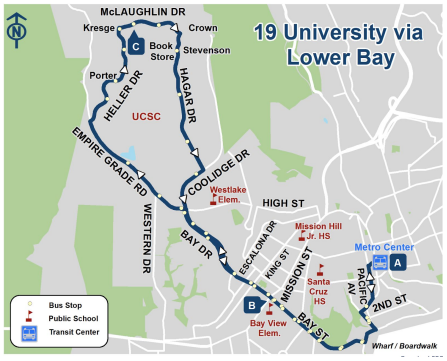
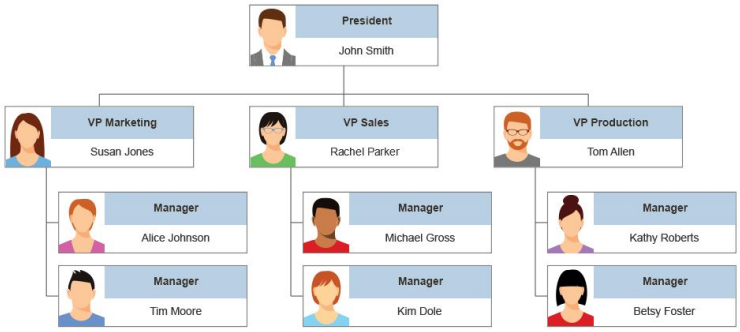
Networks Jingle Study







Intro:

Thank you for participating in this exercise!
We are interested in finding out if there are different, non-visual ways to represent networks like those pictured above. Please complete this packet from front to back and do not skip ahead. It is okay to look back at a section after you have completed it

A network is most simply described as a group of interconnected items. Networks consist of nodes (the items) and branches (their connections). Networks can be found in maps, org charts, social connections, and many more places.

What you will need:

1. 20 minutes
2. Something to write with
3. A way to listen to audio

Please remember: Your participation is voluntary. If you'd like to stop at any time, or do not have an answer to a question, that's okay. You will not be disqualified from the drawing if you turn your work in incomplete. We will keep any written information that you provide here confidential. If you have any questions, feel free to ask!

When you are finished: please return this packet to the researcher you got it from. If this is not possible you can scan and email your results to bbaltaxe@ucsc.edu

To get started:

Please navigate to the following URL on your device: someurl.com

Section 0: Musical Concepts

The following is some background information on musical concepts. Feel free to review it if you do not already know these concepts.

- Pitch
    - Harmony
    - Melody
- Duration
- Volume / Dynamics
- Timbre
- Rhythm
- Scale
- Envelope

Transition this to the website they are linked to so that they can hear examples

Section 1: Drawings

Exercise 1:

a) After reviewing the example networks above, listen to the file called *ex1.mp3* **just once.** If any network comes to mind based on the audio, draw it below. Please label your drawing and justify it with a short sentence or two.

Jingle 4

b) Please listen to the file called *ex1.mp3* **as many times as you would like**. If you have a drawing from part a, recreate it below and add more details as you listen to the file. If you do not have a drawing from part a, feel free to create one now. Do not change your drawing in part a. As in part a, label your drawing and write a short sentence or two to justify it.

Section 0.5: Network Concepts

The following is some background information on network concepts. Feel free to review it if you do not already know these concepts.

- connectivity
- Weight
- Orientation
- Directionality of edges
- Total number of nodes
- …?

Also add some graph photos here.
Might be beter to have this be at the URL they navigate to so we can use digital representations and make it a little more interactive

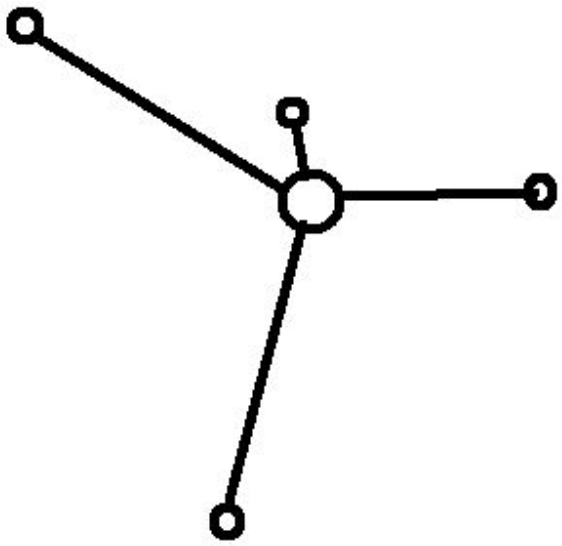
Exercise 2:

For this exercise, we are particularly interested in the total number of nodes and their connectivity. Please think about these two things as you listen to the next track called *ex2.mp3* Try to involve them in your next drawing. You can listen as many times as you would like. Justify your drawing.

Jingle 2

Exercise 3:

Please make sure you are well acquainted with Section 0 and 0.5 before starting this exercise. When you are ready, listen to *ex3.mp3.* The network below may be one representation of *ex3.mp3*. Please label the individual parts of the network with the musical concepts that you think they correspond to. You may listen as many times as you need.



Might be more interesting to have a more complex network here?

Sample 1

Section 2: Questions

What is your major or area of expertise?

Before this exercise how comfortable were you with the features of networks?

Can you name any jingle that you recall? In general

Do you play an instrument or sing? Past or present?

What genres of music do you listen to?

Do you often hum or sing to yourself?

Name 3 networks that you are most often in contact with.

On a scale of 1-7 how actively (playing) do you participate in music? How passively (listening)?

Create scale here

Hypothesis for each question

All: How do people associate networks and music?

1)
    a) Hearing a jingle more than once won't add detail to a drawing because jingles are easily recalled
    b) Can individuals conceptualize a drawn whole network as sound at all?
2)
    a) If given a particular feature to meditate on, can individuals go from sound to network better
3)
    a) Can individuals make make correlations between what they hear and see in this context, or are they totally separate experiences?

Western read networks right to left still?

Middle of screen and radially out?