SOURCE SYNTHESIS

Revealing Patterns and Trends
Mapping multiple sources

• How can we visually represent the relationships between sources (in written documents or on slides)?
History is super-compelling, but you need to make sure you get across what the technical gap is: what did people not know how to do, and what were the limitations of the previous approaches.
...But More Optimization is Necessary

Light-Induced Decomposition

Varying Ligand Design
Two-Axis Model

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Our rhetorically-framed approach

<table>
<thead>
<tr>
<th>Article</th>
<th>Author/ Source</th>
<th>Definition of VR and Empathy</th>
<th>Other Key Concepts and Terms</th>
<th>Effects described (Causation)</th>
<th>How it compares to other means of creating empathy (Value, significance, and hierarchy)</th>
<th>Goal/applications (what VR has been applied to in terms of empathy) (policy)</th>
<th>People named (who does it) (Fact)</th>
<th>Qualifiers, concessions, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can VR Really Make You More Empathetic?</td>
<td>Zhang, Sarah (Wired, 2016)</td>
<td>No clear definition of either</td>
<td>“empathy engine” “avatars” “simulation-based empathy interventions” “Arrival of a Train at La Ciotat,” virtual reality as uranium metaphor</td>
<td>People used fewer napkins; dark-skinned avatars led to “negative stereotypes about black people”; identifying with avatars led to reduced stereotyping;</td>
<td>“could be more effective than the traditional public service ad” Acting as disabled (blindfold, wheelchair) also led to sympathy but misunderstanding</td>
<td>Superman (kindness), Coral (ocean acidification), Ebola, Gaza, Cow (reduce meat consumption), aging, paper waste</td>
<td>Jeremy Bailenson (Stanford) Mel Slater (U of Barcelona and UC London) Leah van Boven (U of Colorado) Hal Hershfield (UCLA)</td>
<td>No research yet on demographics beyond college students. Unclear how long effects last. Influence on behavior could be negative.</td>
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</tbody>
</table>
Synthesis trees
Problem-solution structure
Current situation - future structure

- VR and empathy
- Current situation
  - VR examples
  - Causal relationships
  - Other empathy tools
- Future applications
  - Simulation of psychological experiences
  - Changes in attitudes and bias
Activity time (in pairs)

Generate a synthesis tree from your literature review charts

Present to the class in 2-3 minutes
Generating discourse
Overview:

Write a couple sentences explaining the focus of the research as a whole and the patterns you’ve found.
Paraphrase

• Identify the verbs
• Identify the nouns
• Break into basic grammatical units (simple subject-verb object sentences)
• Find synonyms for the verbs, then decide whether the nouns are technical (use as is) or nontechnical (find synonyms)
• Link the simple sentences back into complex sentences by paraphrasing the relationship terms.

• Longman Dictionary:  https://www.ldoceonline.com/about.html
Production: Generate a body paragraph from the synthesis tree

Topic sentence (stasis)

Supporting statements (identify relationships)
Phrases within moves

Academic Phrasebank:  http://www.phrasebank.manchester.ac.uk