Write 1-2 pages summarizing the excerpt. Make sure you answer the following questions in your summary:

- What is a bottom up approach and how does that relate to data-driven research?

- What do correlations in the data tell us? How could that lead (or mislead us) to discoveries?

- Considering the rise of big data and data-driven analysis, why do we still need hypothesis-driven science?

- How could data-driven and hypothesis-driven approaches in science be used simultaneously?