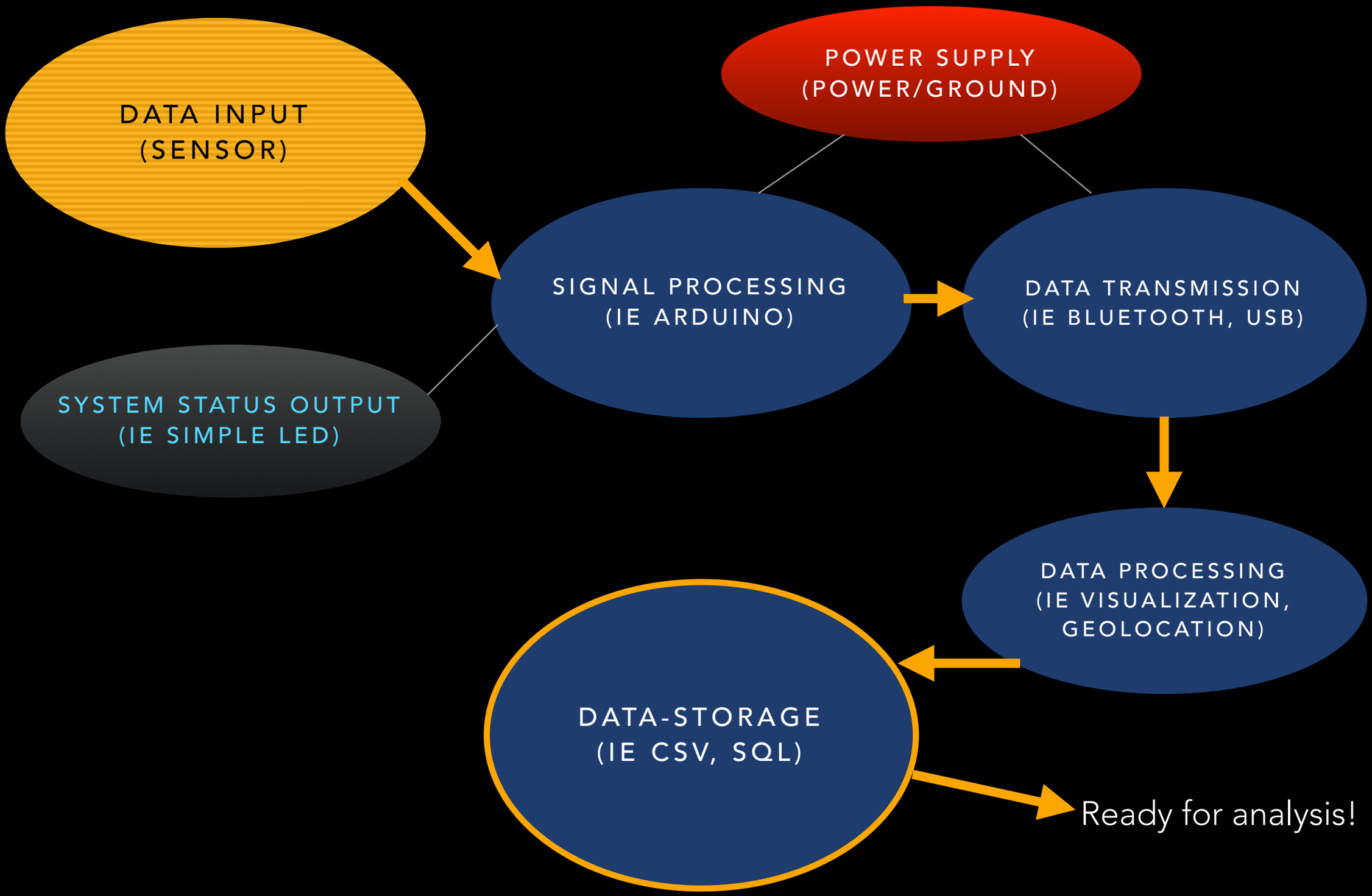
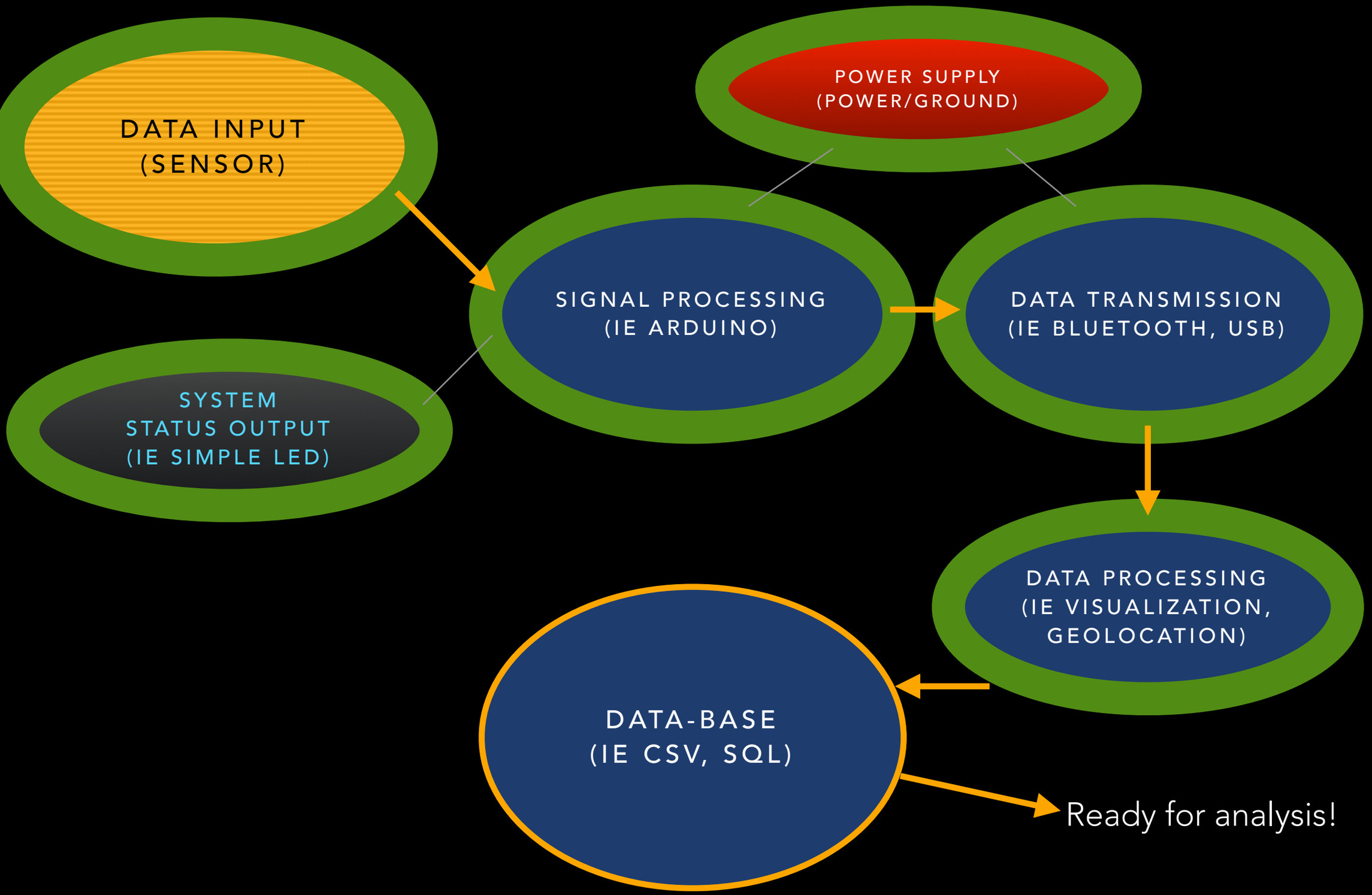
QUANTIFIED SELF ABOUT TOWN

SENSOR SYSTEM CONSIDERATIONS. MIDTERM AND FINAL GOALS.

SENSOR SYSTEM: TECHNICAL CONSIDERATIONS



SENSOR SYSTEM:
USABILITY CONSIDERATIONS



MIDTERM GOALS:
BUILD THE INSTRUMENT

- **1-5 page write-up**, with a presentation slide for each bullet below.
  Note: if you don't build a sensor system, prepare a 5-page concept paper based on class lectures and exercises.

    - Significance: How is your project novel and relevant? What problems does it tackle? Conduct a scholarly literature review and cite at least 3 prior works to provide context.

    - Quantified Self: How can your project help individuals track and learn about themselves?

    - Smart City/Communities: How can your project use data from multiple individuals to help cities and communities?

    - Prototyping Usability. Is your current prototype a "looks-like," "feels-like," and/or a "works-like" prototype? What questions will help us evaluate its usability?

    - Future Work: What are the next steps for deploying this project?

- **In class**: Present your 5 slides. Demonstrate your sensor system and some simple data collection. Test on guest critic(s) and discuss usability.

FINAL GOALS:
DEPLOY INSTRUMENT. DEAL WITH DATA.

- **2-7 page write-up**, with a presentation slide for each bullet below.
  Note: if you don't build a sensor system, prepare a 7-page concept paper based on class lectures and exercises.

    - Significance: How is your project novel and relevant? What problems does it tackle? If you are expanding your midterm project, how have your concepts changed?

    - Instrument deployment: How did you build and deploy your instrument? What were the challenges and surprises?

    - Data collection, visualization: How did you collect and visualize data? What were the challenges and surprises? Did you conduct any kind of analysis? Are there any insights gleaned from the data?

    - Quantified Self: If you tested your project with an individual, how do the results fit your expectations?

    - Smart City/Community: If you tested your project with a group, how do the results fit your expectations?

    - Future work: What are the next steps for scaling this project?

- **In class**: Present your data visualized with preliminary analysis. Demonstrate a robust prototype collecting data in the field.