Week 1

Tasks Completed:

- Conducted literature review on CO₂ solubility in DESs.
- Identified key physicochemical features relevant for modeling.
- Collected and compiled dataset from multiple references.

Challenges Faced:

• Heterogeneous formatting across data sources required extensive manual cleaning.

Tasks Planned for Next Week:

- Finalize dataset structure and remove inconsistencies.
- Begin initial data exploration and visualization.
- Identify preliminary modeling strategies.