Regarding the Final Project

Here are some general guidelines to help you out prepare your final report.

1. When writing, consider your audience to be the same as the BuildSys attendees. However, to the extent possible, assume that (given there are many different backgrounds within those attending BuildSys) your main target are people in the facility management industry. In other words, assume that the readers are knowledgeable about building physics and systems, but not necessarily knowledgeable in "data science".

2. Your document should be no longer than 4 pages using the ACM SIG Proceedings Template (you can find it here. This page limit includes figures and references.

3. You will submit your report as a PDF file along with a copy of the datset you used, and a well-documented Jupyter Notebook that implements the data analysis process. These files will be pushed to the course's Git repository, and instructions for this can be found here.

4. You should appropriately reference and cite any material that you used when creating your report.

5. Again, imagine you are submitting this to BuildSys. The arguments should be compelling, and the text should contain all the necessary details for the reader to learn the answer to these three basic questions:

   (a) What is the building energy management problem that this report is addressing, and why is it an important one?

   (b) Why was the proposed data-driven solution chosen, among all possible solutions, and how can one replicate it?

   (c) How well does the proposed solution generalize to other cases (i.e., how well validated is the solution)?

The organization of the paper is flexible. However, it will be taken into account when evaluating your document. In general, you want to include the following sections into your paper:

- **Abstract**
- **Introduction**, which may include: motivation, context, background information, related work
- **Proposed Approach**, where you describe the idea and provide the technical content before you carry out any experiments or produce results
- **Dataset**, where you describe the dataset you will use to test and further develop your proposed solution
- **Results**, where you present the results of applying your proposed method to the dataset
- **Validation**, where you evaluate the generalizability of the results you found
- **Discussion**, where you elaborate on what the results and validation indicate and talk about why things work or don't work
- **Future Work**, where you describe what needs to be done next in order to further improve on the solution to the problem you are addressing

The reports are due on Friday December 9th by 6:00pm AOE (anyhwere on Earth).