Lab 4 Writing Assignment

Introductions

Writing Assignment

In this writing assignment you will learn to write an introduction to a technical memo or lab report. Introductions serve several purposes:

1. State relevant background information about the completed work to put it in context. Prior work must be properly referenced and cited.
2. Briefly communicate the remaining content of the report.

Learning Objectives

By the end of this writing assignment you will...

- Write a 2-3 paragraph introduction to provide the context for your experiment
- Create a bibliography with properly formatted references.

Specifications

Lab Report Introduction

- ☐ Provides pertinent information about the scientific concept (theory, model, principle, procedure) that motivates your experiments.
- ☐ Presents the purpose of your experiment and discusses why it is important to E80 students.
- ☐ Explains why you selected the specific models to compare against your experiments.
- ☐ States a hypothesis for each experiment and explains the scientific reasoning that leads to the hypothesis.
- ☐ Describes the forthcoming sections of the lab report, which demonstrates a well-planned report organization.

References

- ☐ Refer to appropriate sources, primarily peer reviewed articles and texts that are related to the lab.
- ☐ Uses the standard IEEE article format for citations and references.
- ☐ References are used appropriately: often enough to support every contentious point, but not so often as to be pedantic.

Text

- ☐ Correct sentence mechanics like cohesion and coherence between sentences and no run-ons
- ☐ Correct paragraph mechanics like topic sentences and placement at breaks between ideas
- ☐ Language is not stilted and jargon is kept to a reasonable minimum.

Technical Inferences in Text

- ☐ Different temperature measurement techniques have very different speeds.
- ☐ Different temperature measurements have different degrees of decoding complexity.
- ☐ Both of the above are backed up with appropriate references.