How to write thesis in LaTeXchap:how$_t$o

Versioning with git

Write the LaTeX in such a way that it could be versioned by git, which will help when collaborating with other people. This means writing one sentence per line. Even when you use third-party platforms, such as the OverLeaf, you can still share the repository through Git.

Mathematical notation with LaTeX

Use bold to visually distinguish vectors and matrices (x, A) and scalars (k, N). Mathematical equations should be numbered and should be part of a sentence. For example, the following equation is a discrete LTI system update equation $x_{[k+1]} = Ax_k + Bu_k, eq : lti_s ystem$