Scribe Instructions for EE127 (Fall 2018): Optimization Models in Engineering

Please read carefully.

- Each lecture will be scribed by up to 3-4 students who will receive extra credit on their final grade for their efforts.

- Scribes should use the sample template (contained in the Lecture0 folder) in the Github (https://github.com/nileshtrip/EE127Notes) as a Latex template. If you are not familiar with Latex consider this an opportunity to learn[1]! Latex is an essential tool for those working in science and engineering.

- Scribes should produce a single *Lecturex.zip* (where *x* denotes the lecture number) file in *exactly* the format of the Lecture0 folder. This will be due 1 week after the lecture date and should be emailed to *nilesh_tripuraneni@berkeley.edu*.

- Students should strive to produce *high-quality notes*[2], verify correctness of the material, and produce illustrative figures to the best of their ability for the content where helpful. You might it useful if all group members take hand-written notes during lecture and later meet to Latex, conglomerate and proof-read them.

- Students should base their content on their notes from the lecture and available supplemental resources.

- Figures can be created by either by scanning in clean, hand-written diagrams, creating electronic figures, or pulling from available source material (including lecture slides/course texts).

- Scribing sign-ups should hopefully stabilize during the first 2 weeks of the course (the link will be available on Piazza under the scribing tab). After this initial sign-up, I will freeze a version of the sign-ups sheet about two weeks after the start of the course. At this point if you cannot scribe a certain lecture it is your responsibility to find a person (or group to switch with).

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[1]You might find this tutorial helpful if you are unfamiliar: https://www.overleaf.com/latex/learn/free-online-introduction-to-latex-part-1 .

[2]This is why we are allowing several students to scribe a single lecture!

- Scribes are required to provide references in bibtex format when referring to any external material. See sample notes (contained in the Lecture0 folder) for examples of how to cite references from the *refs.bib*. If you need to add an additional reference, Google scholar is good way to find Bibtex blurbs to add to the *refs.bib*.

List of common macros

- Real numbers $\mathbb{R}$, use `\R`

- Real-valued functions, use letters f, g, h

- Domain $\Omega \subseteq \mathbb{R}^n$ of a function if not all of $\mathbb{R}^n$, use `\domain`

- Scalars, use greek letters

- Vectors, use letters u, v, w

- Matrices, use capital letters $A, B, \dots$

- For transpose sign $\top$, use `\trans`, e.g., $A^\top$

- Inner products, use `\langle` and `\rangle`, or use transposes.

- For code, use the listings package.

- See `macros.sty` for other available macros.

0.1   Some stylistic remarks

- Your section should start with a brief summary of what it contains.

- Write full sentences that don't start with symbols.

- Use standard latex conventions.

- Don't use "||" for norms, use "\|".