

Writing Assignment 3 — Math 290 Fall 2020

This project must be your own work. No collaboration is allowed. It is due in by 5pm on Monday December 7. You must email me BOTH the .tex file and the pdf file that it generates. Give your filenames the format LASTNAME-290-3.* . There will be *absolutely* NO late submissions accepted and they must be written in LaTeX — and I will only grade whatever you have given me by that time.

The Topic

Just in case you haven't had enough of elections the general topic area is 'The Mathematics of Voting Systems'. Once again I am happy for you to choose a particular topic to explore in more depth after a general introduction. Some other good terms to Google to get you started are 'Social Choice Theory', 'Arrow's Impossibility Theorem' and 'Condorcet's Paradox'.

The length should be approximately *2000* words (not including equations etc) You should pay attention to clarity, style, typesetting and also logical structure using the power of LaTeX environments to structure your work into sections and subsections, formatting equations so that they look as professional as possible. The idea is to produce something that looks (and reads) professional. You should also provide any references you use using BibTeX. Also read pages 64-66 in the book on mathematical writing style — some of it is specific to writing proofs but some is just generally good advice.