Problem 1

How to run code

- My submissions are live-scripts of matlab
- They are in zip format, don't unzip them
- Open matlab go to the folder of that zip and open the *.mlx files from matlab
- They would appear as jupyter notebook with markdown, codeblock and outputs.
- Press ctrl + enter to run each code block

-5

Part 1 (Laplace pdf)

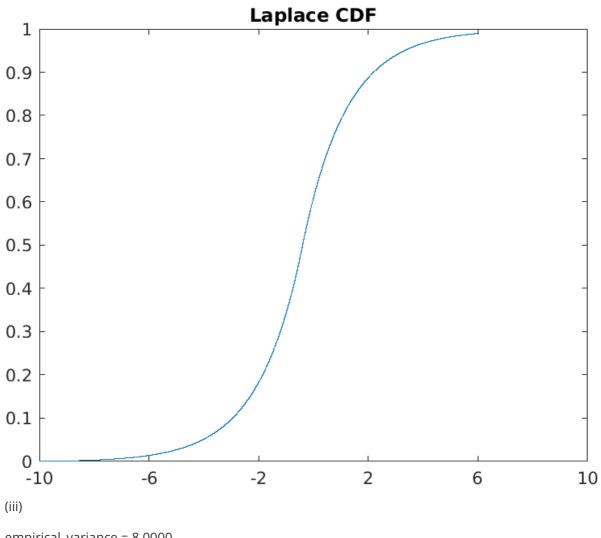
0 -10

(ii)

0

5

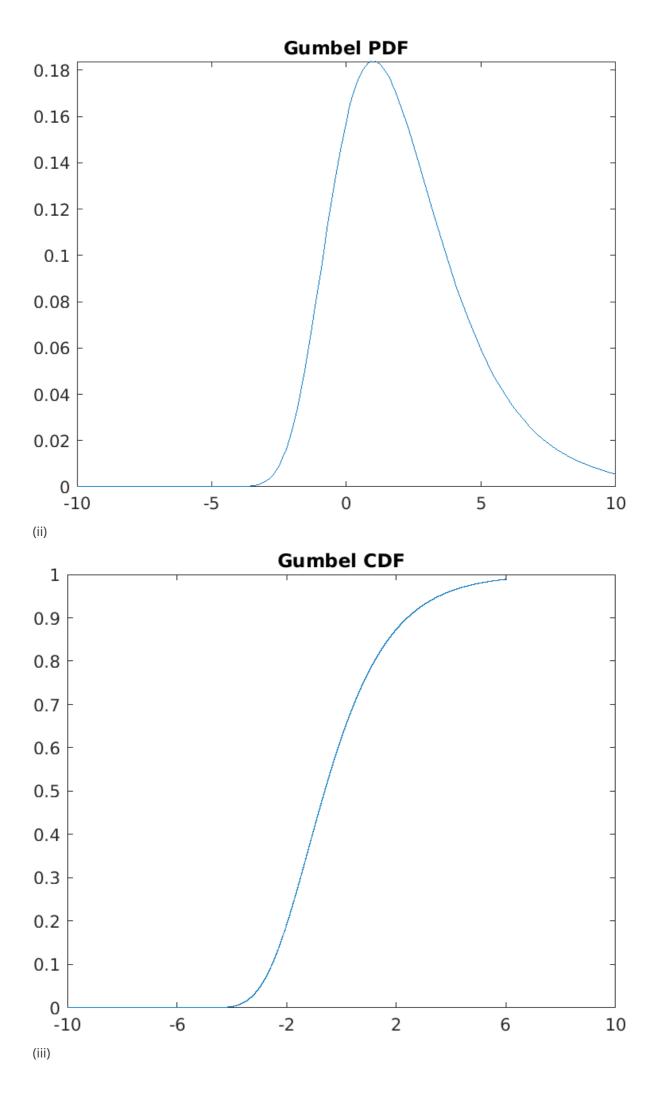
10



empirical_variance = 8.0000 true_variance = 8

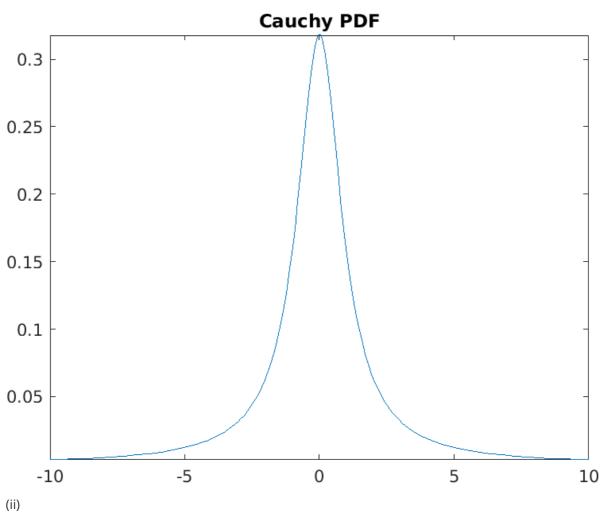
Part 2 (Gumbel pdf)

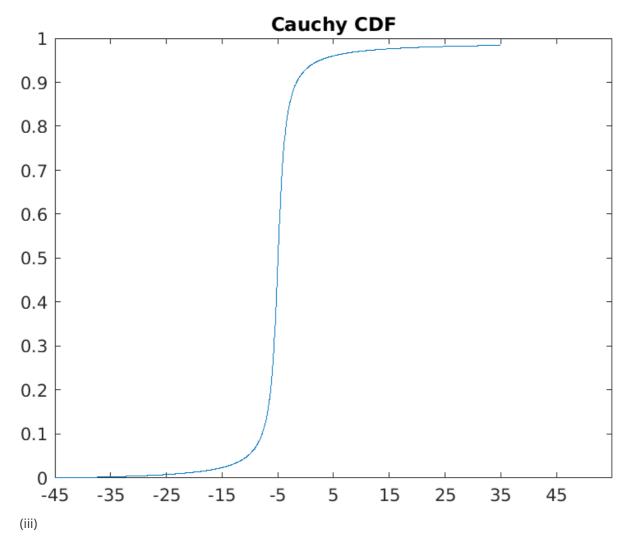
(i)



Part 1 (Cauchy pdf)

(i)





• Variance is not finite