

Mining massive Datasets WS 2017/18

Problem Set 7

Rudolf Chrispens, Marvin Klaus, Daniela Schacherer

December 9, 2017

Exercise 01

Exercise 02

Exercise 03

If I understand that Question right I just should plot and look at which point the lines exceeds the value 0.5? If so then here the approximate values for each plot. I write the values for each r in a list that show the value of b as [10, 20, 50, 100].

$r=2$ - [0.26, 0.18, 0.13, -] (Figure 1)

$r=3$ - [0.4, 0.32, 0.23, 0.18] (Figure 2)

$r=5$ - [0.58, 0.5, 0.42, 0.34] (Figure 3)

$r=7$ - [0.67, 0.62, 0.53, 0.48] (Figure 4)

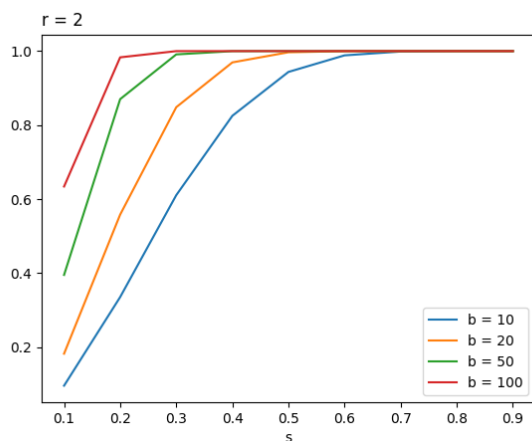


Figure 1 - $r = 2$

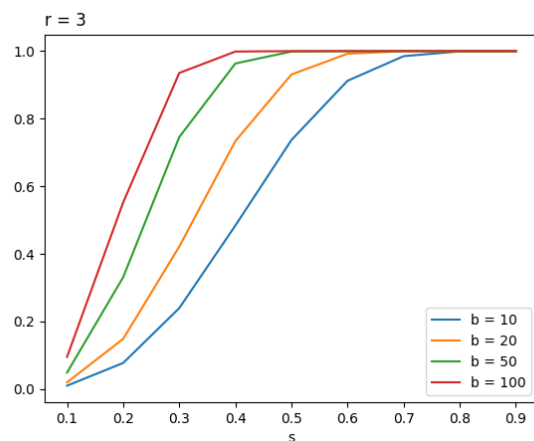


Figure 2 - $r = 3$

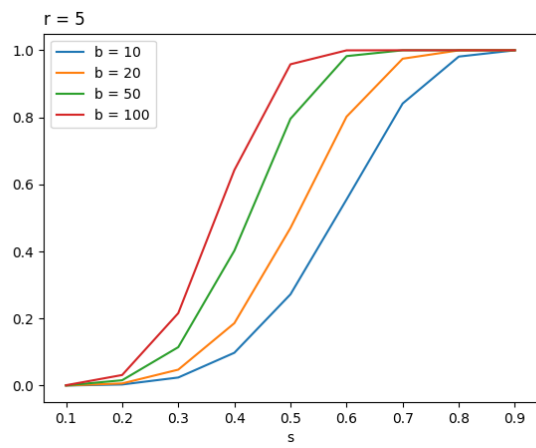


Figure 3 – $r = 5$

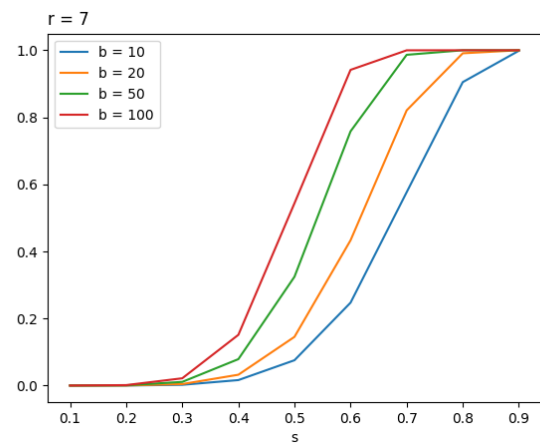


Figure 4 – $r = 7$

Exercise 04