

36-402 Homework 1

Eu Jing Chua
eujingc

January 20, 2019

Question 1

a)

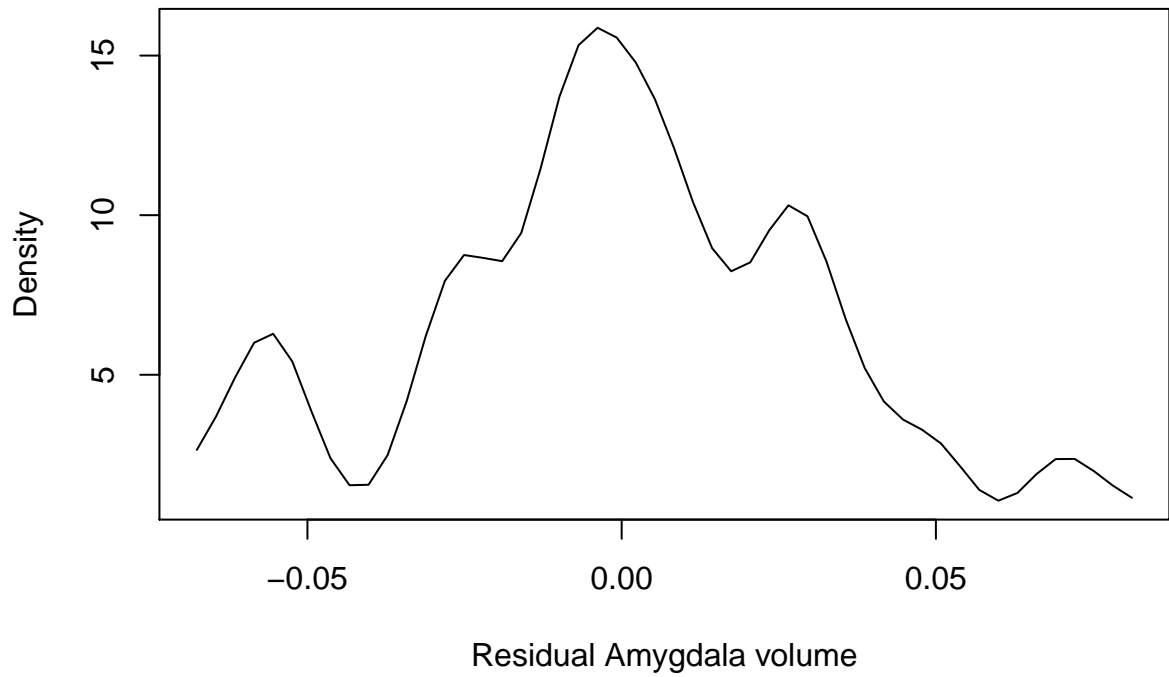


Table 1: Bandwidth for amygdala kernel density

<u>x</u>
<u>0.00548</u>

b)

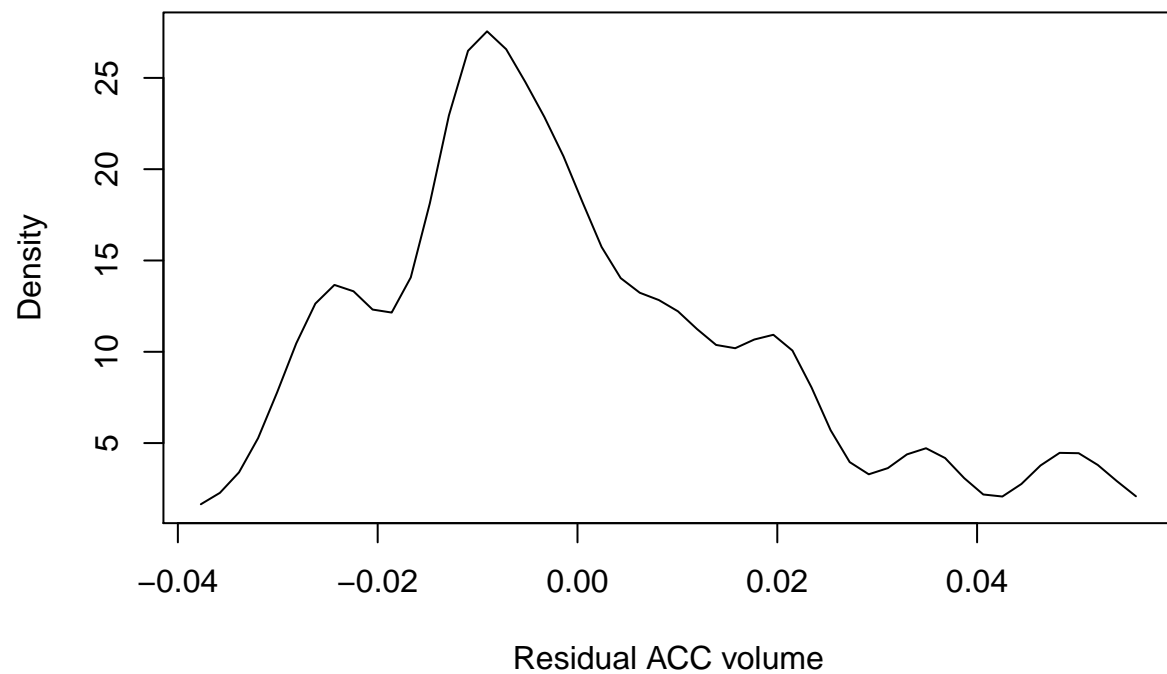


Table 2: Bandwidth for acc kernel density

x
0.00372

Question 2

a)

Table 3: Bandwidths for joint kernel desnsity

	x
Amygdala	0.00614
ACC	0.01302

The bandwidths are different from before, and they should not be expected to tbe the same.

b)

Joint Density of Residual Amygdala and ACC volumes

