



3. Give a 95% confidence interval for the average age of students at Dartmouth.

4. How many students would I have to poll (assuming the proportions stay the same as they are currently) to be 99.7% sure that the average age of students is over 19?

## Answers

Here are the answers I got. If you keep getting something different there are rounding errors, and for parts 2 and 4 there are slightly different approaches, so don't be discouraged! Feel free to email me and I'll try to respond.

1.  $90\% \pm 6\%$
2. 244
3.  $19.65 \pm 0.32$
4. 54, 57 or 58