

# Warm-Up Day 5

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## 1 More on Histograms

Fall of	<10	10-19	20-29	30-39	40-49	50-99	≥100	Total
2010	42	121	91	37	8	2	2	303
2011	51	154	117	22	6	2	1	353
2012	60	173	123	29	13	2	1	401
2013	51	168	137	31	5	1	2	395
2014	66	172	136	23	9	4	2	412
2015	76	148	154	21	4	4	1	408
2016	92	180	133	14	6	3	1	429
2017	66	157	141	12	8	2	1	387
2018	52	203	162	13	1	11	0	442
2019	43	152	165	18	4	2	0	384

Figure 1: A listing of average class sizes for Whittier College for the past decade.

1. Make a histogram of the class sizes for the year 2010 using the bins given by the purple headers ( $< 10$ ,  $10 - 19$ , ...). Normalize the histogram.
2. Repeat the first exercise for the year 2019.
3. Plot the two normalized histograms on the same set of axes. What is the average class size for 2010 and 2020?