

Student	CCHS	PCHS
1	147	142
2	92	184
3	204	162
4	134	113
5	128	145
6	167	182
7	169	139
8	128	143
9	158	134
10	186	163
11	140	207
12	177	176
13	202	183
14	181	146
15	148	178
16	154	181
17	169	213
18	128	135
19	123	211
20	142	187
21	122	181
22	146	143
23	189	182
24	172	133
25	196	222
26	130	184
27	163	159
28	116	185
29	141	238
30	176	181
31	120	228
32	217	143
33	225	123
34	151	178
35	161	282
36	163	179
37	209	112
38	161	207
39	146	279
40	158	168
41	171	155
42	162	164
43	91	144
44	160	211
45	196	174
46	171	170
47	185	136
48	158	152
49	188	174
50	169	180

download remainder
of data

Use Excel to create separate histograms for each high school's player's weight. You select the bin (class) size and use Excel's histogram tool from their data analysis package. **You may download ALL player data as a file from: www.markeredwards.com. Example player data is shown to the left.**

Example

CCHS	
Parameter	Value
Mean	161.1
Standard Error	3.849257027
Median	161
Mode	128
Standard Deviation	29.81621672
Sample Variance	889.0067797
Kurtosis	0.084096015
Skewness	0.045036229
Range	140
Minimum	91
Maximum	231
Sum	9666
Count	60

- Create a **single** graph with both schools histograms and cumulative distribution functions.
- Derive each teams' Descriptive Statistics as provided in MS Excel's Data Analysis Add-In.
- Provide a brief explanation of **each** parameter in the descriptive statistics (example to right.)

- Using Z, determine the following probabilities SHOWING ALL WORK:

1. the weight of a CCHS player exceeds 190 pounds
2. the weight of a PCHS player is less than 190.
3. the weight of a PCHS player is more than 180 but less than 210 pounds
4. the probability a PCHS player outweighs a 200 pound CCHS player.

What conclusions can be made about the player weights and distributions from both schools?

Present your findings in a quality, MS Word document (or equivalent such as SUN Open Office). Include a cover page, Table of Contents, appendices, etc.

Submit your document as an e-mail attachment sent to mheinen_1@msn.com. Please confirm Mr. Heinen's receipt of the e-mail and its attachment.

Ensure the attached file is named as follows:

CompLab-Players_LASTNAME_FIRSTINITIAL

Example: CompLab-Player_HEINEN_M.docx (the computer will add the suffix).