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. Some typical player data is shown to the left.**

Player (random selection)	CCHS	PCHS
1	205	239
2	230	295
3	200	192
4	134	265
5	165	209
6	175	162
7	145	121
8	151	109
9	107	140
10	187	164
11	160	226
12	113	175
13	120	119
14	178	200
15	160	138
16	150	160
17	173	167
18	121	164
19	152	247
20	133	224
21	186	143
22	185	99
23	132	209
24	105	205
25	151	180
26	171	145
27	185	149
28	152	166
29	143	197
30	174	185
31	121	155
32	156	203
33	178	218
34	111	108
35	110	159
36	142	199
37	118	161
38	177	226
39	135	251
40	131	154

download the data from the web site.

- 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 <u>each</u> parameter in the descriptive statistics (example to right.)

Example Only

Stat	CCHS	PCHS
Mean	166.131019	179.3707182
Standard Error	3.614985347	5.898507237
Median	171.926774	179.5452308
Mode	#N/A	#N/A
Standard Devia	27.76722933	45.30729378
Sample Varianc	771.0190244	2052.75087
Kurtosis	0.731259799	-0.01657672
Skewness	-0.457731309	0.357705248
Range	154.0583098	204.0750569
Minimum	85.83822738	92.3147687
Maximum	239.8965372	296.3898256
Sum	9801.730118	10582.87238
Count	59	59
SD (pop)	27.53090818	44.92169278
SD (sam)	27.76722933	45.30729378

- Determine the following probabilities:

1. the weight of a CCHS player exceeds 155 pounds
2. the weight of a PCHS player is less than 160.
3. the weight of a PCHS player is more than 180 but less than 210 pounds
4. the probability a randomly selected PCHS player outweighs a randomly selected CCHS player. How to do this???

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.

<u>Ensure</u> the attached file is named as follows: CompLab-Players_LASTNAME_FIRSTINITIAL

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