Data visualization assignment

Collated data

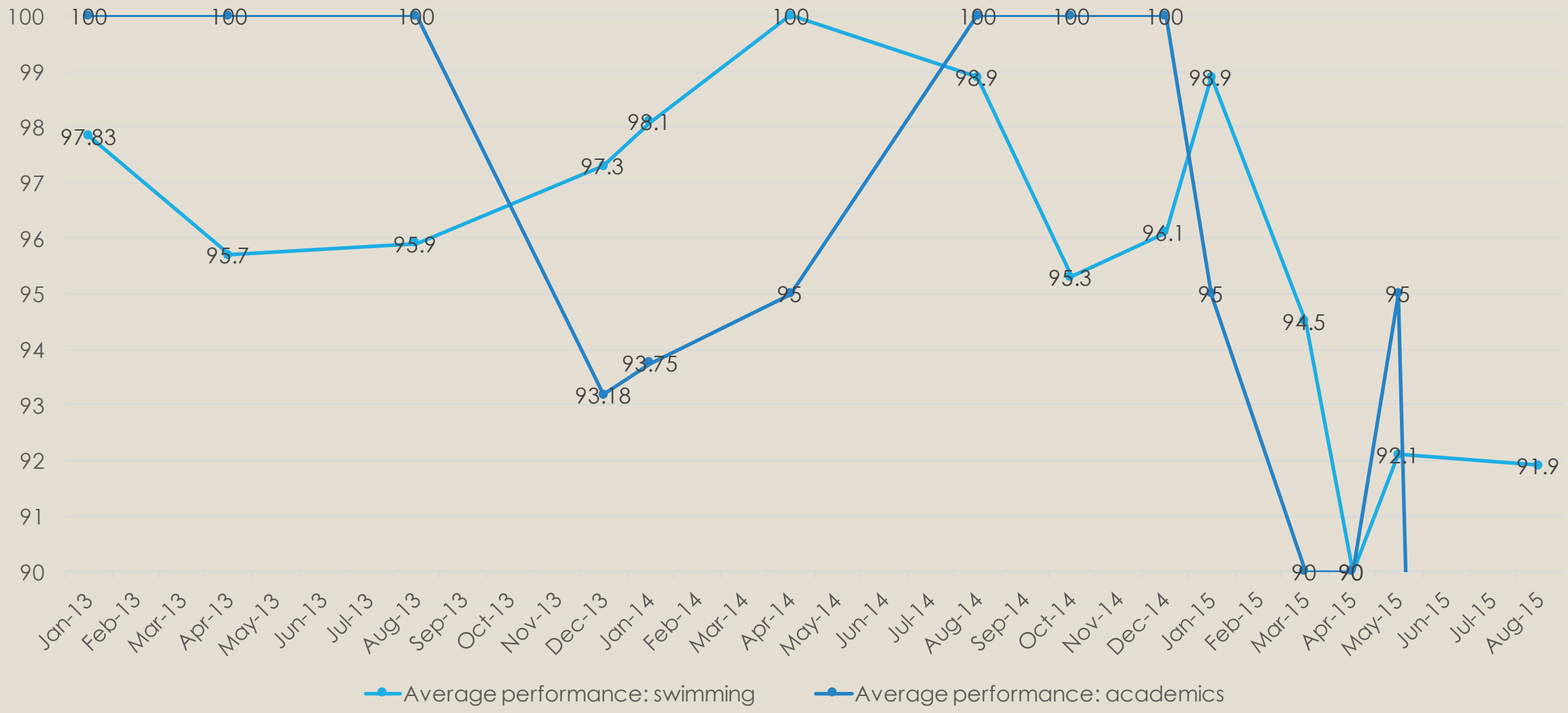
- Data given below is the processed and collated into a single spreadsheet

Date:	Grade	Grade %	Swimming	Swimming %	SAT	SAT%	ACT	ACT%	Average performance: swimming	Average performance: academics
Jan-13	4	100	260	97.83	-	-	-	-	97.83	100
Apr-13	4	100	263	95.7	-	-	-	-	95.7	100
Aug-13	4	100	262	95.9	-	-	-	-	95.9	100
Dec-13	4	100	259	97.3	1900	86.36	-	-	97.3	93.18
Jan-14	3.9	97.5	257	98.1	1980	90	-	-	98.1	93.75
Apr-14	3.8	95	252	100	-	-	-	-	100	95
Aug-14	4	100	255	98.9	-	-	-	-	98.9	100
Oct-14	4	100	264	95.3	2200	100	34	100	95.3	100
Dec-14	4	100	262	96.1	-	-	-	-	96.1	100
Jan-15	3.8	95	255	98.9	-	-	-	-	98.9	95
Mar-15	3.6	90	266	94.5	-	-	-	-	94.5	90
Apr-15	3.6	90	275	90	-	-	-	-	90	90
May-15	3.8	95	272	92.1	-	-	-	-	92.1	95
Aug-15	-		257	91.9	-	-	-	-	91.9	0

Standardizing data

- Each data point was converted to a percentage by comparing it to my best performance of that year
- $performance\% = \frac{performance\ at\ that\ instance}{best\ perforamce\ for\ that\ year}$
- This was done in order to standardize all values and account for changes in senior course load
- For months where they were multiple entries for the same field, the average of all data was taken and presented

Performance outline from 2013 – 2015



All those variations got me like

Performance outline when taking relationships into factor from 2013 – 2015