Group 4

1. **Value of “print 3” (Best)**: [2130, 24.6, 40]

2. **Statistics of “print 5”:**

	Lbs-	Acc+	Mpg+
Mean	2380.67	16.50	29.09
Median	2309.59	16.60	29.49
Standard Deviation	173.73	0.27	1.69

3. **Statistics of “print 6”:**

	Lbs-	Acc+	Mpg+
Mean	2164.31	17.66	35.10
Median	2074.00	17.30	40.00
Standard Deviation	337.60	2.57	5.84

4. **Questions**:
    a. Does SMO do better than the random baselines (see prints 1,2,4)?
        a. Yes, it is easily noticeable that the values of 'print 1', 'print 2', and 'print 4' span across the entire distribution range. For instance, the values in the 'Lbs' field range from 1600 to exceeding 4000. On the other hand, as we can see from the statistical data provided above, the values of 'print 5' and 'print 6' are closer and more concentrated than those of 'print 1', 'print 2', and 'print 4'.
    2. How many y row evaluations are required for print 3?
        a. All the rows (398 rows), since the description of “print 3” asks us to sort the rows based on their distance to heaven.
    3. How does SMO do compared to absolute best (print 3)
        a. SMO still does better. In our result, the result of “print 5” and “print 6” are better since the mean and the median of it is closer to the value of “print 3”. However, the data of “print 6” exhibits a wider dispersion than “print 5”, since it has a larger standard deviation.