**Homework 2**

**Statistical Genomics**

**CROPS 545, Spring 2016**

Professor: Zhiwu Zhang

Due on February 15, 2016, Wednesday, 3:10PM, PST

**Objectives**: To exam the impact of 1) missing rate; 2) sample size; and 3) method on imputation accuracy evaluated as correlation coefficient, match proportion across genotypes, and match proportions on major and minor allele homozygous separately.

**Comments: Problems**

1. Q1&Q2: Claim the difference is significant (-5).
2. Q1&Q2: No explanation why stochastic accuracy stays the same with missing rate (-5).
3. Q3~Q5: Generated results with SD of 0 and did not notice (-5).
4. Q4: Compute BEAGLE unsuccessfully (-5).
5. Q5: No comparison between the results between Q3 and Q5 (-5).
6. Source code: Didn’t show how to do replication of the imputation (-5)

Total point off: 50