

Statistics 13, Winter 2009

Midterm 2

Due 3/8, 1 Bonus

Bonus (10 points): In lecture we mentioned the company 23andme. We spoke about their mission to be the “world’s trusted source of personal genetic information.” In particular, we discussed their research goals, linking participants’ genetic information with special survey results. There are many, many statistical issues related to 23andme’s services. For this bonus, comment on one or two of these issues, related either to their core profiling business or their approach to research via surveys. Focus on the major themes we’ve addressed in lecture, homeworks and labs (random sampling, survey or experimental design, measurement and measurement error).

The following sites might be helpful:

<http://www.23andme.com/research/>

<http://www.scienceprogress.org/2008/10/spitomics/>

Please limit your response to 8 sentences.