**Statistical Genomics (545)**

Spring 2021

**Quiz**

Open book

Due on March 19, 2021, 3:10pm

First name:

Last Name:

Pre-recorded lecture: SUPER/EMMAx Algorithms

**Instruction**: Highlight the best answer **(ONLY** **ONE**) for each question. Email this file to TA (Zhou Tang, email: zhou.tang@wsu.edu) with subject of StaGen545QuizzesYYYYMMDD

1. The likelihood of EMMA is function of \_\_\_.

A. Residual and genetic variances

B. Residual and genetic variances ratio

C. Genetic variance only

D. Residual variance only

2. What is the common purpose of EMMA and EMMAx?

A. Reduce false positives

B. Improve computing speed

C. Increases statistical power

D. Reduce type I error

3. Which is the purpose of P3D

A. Reduce false positives

B. Increases statistical power

C. Reduce type I error

D. Improve computing speed

4. Which method is equivalent to P3D?

A. MLM

B. CMLM

C. EMMAx

D. EMMA