A computational study of the effect of the components obtained in the decomposition of the singular values with predictions of GEE models

Haiany Aparecida Ferreira¹, Matheus Feres Freitas², Carla Regina Guimarães Brighenti³, Marcelo Ângelo Cirillo⁴, Kelly Pereira de Lima⁵

Abstract: The effect of the components between blocks can be studied by the degree of correlation in the estimates of the sums of squares of the components of additivity and difference between the blocks. Thus, the sum of squares in both components decreases as the degree of correlation increases.

Keywords: effect of components; GEE; sum of squares.

¹Doutoranda em Estatística e Experimentação Agropecuária no DES/UFLA. email: haianyferreira@yahoo.com.br.

²Doutorando em Estatística e Experimentação Agropecuária no DES/UFLA. email: *matheus712@hotmail.com*.

³Professora Associada II, DZOO/UFSJ. email: carlabrighenti@ufsj.edu.br.

⁴Professor Associado III, DES/UFLA. email: macufla@dex.ufla.br.

⁵Doutoranda em Estatística e Experimentação Agropecuária no DES/UFLA. email: kelly limaadm@hotmail.com.