

## DETERMINATION OF FACTORS ON PIG TRAITS

Filipe Ribeiro Formiga TEIXEIRA<sup>1</sup>  
Moysés NASCIMENTO<sup>1</sup>  
Ana Carolina Campana NASCIMENTO<sup>1</sup>  
Débora Martins PAIXÃO<sup>2</sup>  
Camila Ferreira AZEVEDO<sup>1</sup>  
Fabyano Fonseca e SILVA<sup>2</sup>  
Cosme Damião CRUZ<sup>3</sup>  
Paulo Sávio LOPES<sup>2</sup>  
Simone Eliza Facione GUIMARÃES<sup>2</sup>

- **ABSTRACT:** *This work aimed to use factor analysis to verify the structure of variability of variables considered commercially important in pigs, to reduce the information contained in such variables on latent variables (factors). The data used in this study are from the Breeding Swine Farm of the Department of Animal Science, Federal University of Viçosa (UFV), Viçosa, Minas Gerais and refer to 41 phenotypic variables considered commercially important, measured in an F2 population of 345 pigs obtained by crossing animals from Piau breed with commercial animals. Set of 10 factors, 4 had practical interpretation, grouping a total of 28 variables on the factors related to weight (14 variables), fat (7 variables), loin (3 variables) and performance (4 variables).*
- **KEYWORDS:** *Animal breeding; factor analysis; reduced dimensionality.*

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<sup>1</sup> Universidade Federal de Viçosa - UFV, Departamento de Estatística, CEP: 36570-000, Viçosa, MG, Brasil. E-mail: [filipeformiga0@gmail.com](mailto:filipeformiga0@gmail.com); [moysesnascim@ufv.br](mailto:moysesnascim@ufv.br); [ana.campana@ufv.br](mailto:ana.campana@ufv.br)

<sup>2</sup> Universidade Federal de Viçosa - UFV, Departamento de Zootecnia, CEP: 36570-000, Viçosa, MG, Brasil, E-mail: [fabyano.fonseca@ufv.br](mailto:fabyano.fonseca@ufv.br); [sfacioni@ufv.br](mailto:sfacioni@ufv.br); [plopes@ufv.br](mailto:plopes@ufv.br)

<sup>3</sup> Universidade Federal de Viçosa - UFV, Departamento de Biologia Geral, CEP: 36570-000, Viçosa, MG, Brasil, E-mail: [cdcruz@ufv.br](mailto:cdcruz@ufv.br)