Bibliography

- M Adibuzzaman, P DeLaurentis, J Hill, and B D Benneyworth. Big data in healthcare the promises, challenges and opportunities from a research perspective: A case study with a model database. *AMIA Annu Symp Proc*, 2017:384–392, 2017. ISSN 1942-597X. URL https://www.ncbi.nlm.nih.gov/pubmed/29854102.
- Peter Bühlmann and Martin Mächler. Computational Statistics. Technical report, Seminar für Statistik, Zurich, 2016. URL https://polybox.ethz.ch/index.php/s/q3NaRdR7K6Xrfkd/download.
- N. A. Carpinelli, F. Rosa, R. C.B. Grazziotin, and J. S. Osorio. Technical note: A novel approach to estimate dry matter intake of lactating dairy cows through multiple on-cow accelerometers. *Journal of Dairy Science*, 102(12): 11483–11490, 2019. ISSN 15253198. doi: 10.3168/jds.2019-16537. URL http://dx.doi.org/10.3168/jds.2019-16537.
- M. L. Chizzotti, F. S. Machado, E. E.L. Valente, L. G.R. Pereira, M. M. Campos, T. R. Tomich, S. G. Coelho, and M. N. Ribas. Technical note: Validation of a system for monitoring individual feeding behavior and individual feed intake in dairy cattle. *Journal of Dairy Science*, 98(5):3438–3442, 2015. ISSN 15253198. doi: 10.3168/jds.2014-8925. URL http://dx.doi.org/10.3168/jds. 2014-8925.
- D. S. Falconer and Trudy F. C. Mackay. Introduction to Quantitative Genetics. Addison Wesley Longman Limited, Essex, 4 edition, 1996. ISBN 0582-24302-5.
- Daniel Gianola, Gustavo De Los Campos, William G. Hill, Eduardo Manfredi, and Rohan Fernando. Additive genetic variability and the Bayesian alphabet. *Genetics*, 183(1):347–363, 2009. ISSN 00166731. doi: 10.1534/genetics.109. 103952.
- C R Henderson. Estimation of variance and covariance components. *Biometrics*, 9:226—-252, 1953.
- C R Henderson. Best linear unbiased estimation and prediction under a selection model. *Biometrics*, 31:423—449, 1975.

76 BIBLIOGRAPHY

Charles R. Henderson. Analysis of Covariance in the Mixed Model: Higher-Level, Nonhomogeneous, and Random Regressions. *Biometrics*, 38(3):623–640, 1982. doi: doi:10.2307/2530044. URL https://www.jstor.org/stable/pdf/2530044. pdf?refreqid=excelsior{%}3A6d3270e330e6f6ed5965236c2db790c6.

- C.R. Henderson. Selection index and expected geentic advance. In W.D. Hanson and H.F. Robinson, editors, *Statistical Genetics and Plant Breed-ing*, pages 141–163. Washington, DC, publicatio edition, 1963.
- Sasha Issenberg. How Obama's Team Used Big Data to Rally Voters. *MIT Technology Review*, 116(1):38–49, 2013.
- Jan Lassen, Jørn Rind Thomasen, Rikke Hjort Hansen, Glenn Gunnar Brink Nielsen, Eli V Olsen, Peter René Bolvig Stentebjerg, Niels Worsøe Hansen, and Søren Borchersen. Individual measure of feed intake on in-house commercial dairy cattle using 3D camera system. In Proc. Proceedings of the 11th World Congress of Genetics Applied to Livestock Production, Auckland, New Zealand, 2018.
- Andres Legarra, Ole F Christensen, Ignacio Aguilar, and Ignacy Misztal. Single Step, a general approach for genomic selection. *Livestock Science*, 166(1): 54–65, 2014. ISSN 18711413. doi: 10.1016/j.livsci.2014.04.029. URL http://dx.doi.org/10.1016/j.livsci.2014.04.029.
- David J. Lilja. Linear regression using R: an introduction to data modeling. University of Minnesota Libraries Publishing, Minneapolis, 2016. ISBN 9781946135001. URL https://open.umn.edu/opentextbooks/textbooks/linear-regression-using-r-an-introduction-to-data-modeling.
- John R Mashey. Big Data ... and the Next Wave of InfraStress, 1998. URL http://static.usenix.org/event/usenix99/invited{_}talks/mashey.pdf.
- T H E Meuwissen, B J Hayes, and M E Goddard. Prediction of Total Genetic Value Using Genome-Wide Dense Marker Maps. *Genetics*, 157:1819–1829, 2001.
- G E Moore. Cramming more components onto integrated circuits. *Electronics*, 38, 1965.
- R.A A Mrode. Linear Models for the Prediction of Animal Breeding Values. CABI Publishing, Wallingford, 2 edition, 2005. ISBN 978-1-84593-981-6.
- R Core Team. R: A language and environment for statistical computing., 2018. ISSN 16000706. URL https://www.r-project.org/.
- S R Searle. *Linear Models*. John Wiley & Sons, New York, wiley clas edition, 1971. ISBN 0-471-18499-3.
- Shayle R Searle, George Casella, and Charles E McCulloch. *Variance Components*. Hoboken, NJ, 1992. ISBN ISBN-I 3 978-0-470-00959-8.

BIBLIOGRAPHY 77

P.M. M VanRaden. Efficient methods to compute genomic predictions. J. Dairy Sci., 91(91):4414—-4423, nov 2008. ISSN 00220302. doi: 10.3168/jds.2007-0980. URL https://www.sciencedirect.com/science/article/pii/S0022030208709901?via{%}3Dihubhttp://dx.doi.org/10.3168/jds.2007-0980.

- Contributors Wikipedia. Big data Wikipedia, 2019. URL https://en.wikipedia.org/w/index.php?title=Big{_}data{&}oldid=881938730.
- Ping Yin and Xitao Fan. Estimating r2 shrinkage in multiple regression: A comparison of different analytical methods. *Journal of Experimental Education*, 69(2):203–224, 2001. ISSN 19400683. doi: 10.1080/00220970109600656.