

Resources

Materi pelatihan

Aplikasi meta-analisis dalam penelitian [

<https://drive.google.com/file/d/1K8HP50hlc8HmZNF-Lmv2k-RA8wFiltkK/view?usp=sharing>]

Data for exercise

[<https://drive.google.com/open?id=1TYPB8xryv7pom57hKybux8BA5H-84yjaf5JOrxe4ybs>]

Meta-analysis

St-Pierre, N.R. 2001. Invited review. Integrating quantitative findings from multiple studies using mixed model methodology. *Journal of Dairy Science*, 84 (4), pp. 741-755. [[PDF](#)]

Sauvant, D., Schmidely, P., Daudin, J.J., St-Pierre, N.R. 2008. Meta-analyses of experimental data in animal nutrition. *Animal*, 2 (8), pp. 1203-1214. [[PDF](#)]

Machine learning

Huang, Y., Lan, Y., Thomson, S.J., Fang, A., Hoffmann, W.C., Lacey, R.E. 2010. Development of soft computing and applications in agricultural and biological engineering. *Computers and Electronics in Agriculture*, 71 (2), pp. 107-127. [[PDF](#)]

Huang, Y. 2009. Advances in artificial neural networks - Methodological development and application. *Algorithms*, 2 (3), pp. 973-1007. [[PDF](#)]

Craninx, M., Fievez, V., Vlaeminck, B., De Baets, B. 2008. Artificial neural network models of the rumen fermentation pattern in dairy cattle. *Computers and Electronics in Agriculture*, 60 (2), pp. 226-238. [[PDF](#)]

Mottaghitalab, M., Faridi, A., Darmani-Kuhi, H., France, J., Ahmadi, H. 2010. Predicting caloric and feed efficiency in turkeys using the group method of data handling-type neural networks. *Poultry Science*, 89 (6), pp. 1325-1331. [[PDF](#)]

Ahmadi, H., Mottaghitalab, M., Nariman-Zadeh, N., Golian, A. 2008. Predicting performance of broiler chickens from dietary nutrients using group method of data handling-type neural networks. *British Poultry Science*, 49 (3), pp. 315-320. [[PDF](#)]

System dynamics / Mechanistic modeling

Fernández, C., Espinos, F., López, M.C., García-Diego, F.J., Cervera, C. 2013. Representation of a mathematical model to predict methane output in dairy goats. *Computers and Electronics in Agriculture*, 91, pp. 1-9. [[PDF](#)]

Ramin, M., Huhtanen, P. 2012. Development of an in vitro method for determination of methane production kinetics using a fully automated in vitro gas system-A modelling approach. *Animal Feed Science and Technology*, 174 (3-4), pp. 190-200. [[PDF](#)]