



The Bayes Approach in Medical Statistics

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Reading Lists

Subject: Medical Statistics, Bayes Approach

By Dr. Gerhard Nehmiz, Biberach, Germany

Proposed are four reading lists with ten references each:

- (1) References that had, from my subjective point of view, historically the highest impact on the subject
- (2) References that had the highest influence on my own thinking about the subject
- (3) References to start with for a person with mathematical background
- (4) References to start with for a person with a medical or biological background.

List (1):

References that had, from my subjective point of view, historically the highest impact on the subject

Hill AB. The clinical trial. *Brit. Med. Bull.* 1951; 7:278-82.

Lindley DV. On a measure of the information provided by an experiment. *Annals of Mathematical Statistics* 1956; 27:986-1005.

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See comments by Clifford P., Jennison C., Wakefield J., Phillips D., Frigessi A., Gray A.J., Lawson A., Forster J., Ramgopal P., Arslan O./Constable P.D.L./Kent J.T., Wolff R.C.L.,

Harding E.F., Middleton R., Diggle P.J., Aykroyd R.G., Berzuini C., Brewer M./Aitken C., Celeux G./Diebolt J., Critchley F., Diaconis P./Rosenthal J.S., Diebolt J./Robert C.P., Gelfand A.E./Lee T.-M., Gelman A./Rubin D.B., Geman D., Geweke J., Geyer C.J., Gigli A., Givens G.H., Goodall C., Grieve A.P., Han X.-L., Higdon D., Kolassa J.E./Tanner M.A., Kooperberg C., Lewis S.M., Lin S./Thompson E.A., Litton C.D./Buck C.E., Liu C./Liu J., Mardia K.V., Marriott J.M., Møller J., Raftery A.E., Shephard N., Sinha D., Sokal A.D., Titterington D.M., Wilson J.D., York J./Madigan D. and concluding remarks by Smith A.F.M./Roberts G.O., Besag J./Green P.J., Gilks W.R./Clayton D.G./Spiegelhalter D.J., *Journal of the Royal Statistical Society B* 53/1 (1993), 53-102.

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List (2):

References that had the highest influence on my own thinking about the subject

Kuhn TS. *The Structure of Scientific Revolutions*. 2nd, enlarged edition. Chicago / London: The University of Chicago Press, 1970.

Lindley DV, Smith AFM. Bayes Estimates for the Linear Model. *Journal of the Royal Statistical Society - Series B (Methodological)* 1972; 34(1):1-41.

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List (3):

References to start with for a person with mathematical background

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List (4):

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Biberach, 2015-08-07

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