

Kurslitteratur

UM046FN, Kvantitativa metoder, FN, 7,5 hp

Aggarwal, R., & Ranganathan, P. (2017). Common pitfalls in statistical analysis: Linear regression analysis. *Perspectives in Clinical Research*, 8(2), 100–102.

<https://doi.org/10.4103/2229-3485.203040> (3 s.)

Ali, Z., Bhaskar, Sb., & Sudheesh, K. (2019). Descriptive statistics: Measures of central tendency, dispersion, correlation and regression. *Airway*, 2(3), 120–125.

https://doi.org/10.4103/ARWY.ARWY_37_19 (6 s.)

Chyung, S. Y. Y., Barkin, J. R., & Shamsy, J. A. (2018). Evidence-based survey design: The use of negatively worded items in surveys. *Performance Improvement*, 57(3), 16–25.

<https://doi.org/10.1002/pfi.21749> (10 s.)

Cumming, G. (2014). The new statistics: Why and how. *Psychological Science*, 25(1), 7–29.

<https://doi.org/10.1177/0956797613504966> (23 s.)

Khamis, H. (2008). Measures of association: How to choose? *Journal of Diagnostic Medical Sonography*, 24(3), 155–162. <https://doi.org/10.1177/8756479308317006> (8 s.)

Lindblad, S., Pettersson, D., & Popkewitz S., T. (2015). *International comparisons of school results: A systematic review of research on large scale assessments in education*.

Vetenskapsrådet (ss. 33–55). <https://www.vr.se/analys/rapporter/vara-rapporter/2015-06-10-international-comparisons-of-school-results.html> (22 s.)

Rumsey, D. J. (2002). Statistical literacy as a goal for introductory statistics courses. *Journal of Statistics Education*, 10(3), 1–12. <https://doi.org/10.1080/10691898.2002.11910678> (12 s.)

Skolverket. (2015). *Provpöängens tillförlitlighet: Om nationella prov*. Skolverket

<https://www.skolverket.se/download/18.6bfaca41169863e6a65b91c/1553966224904/pdf3489.pdf> (40 s.)

Wilson, M. (2023). *Constructing measures: An item response modeling approach* (2nd ed.). Routledge. (ss. 3–38). <https://doi.org/10.4324/9781003286929> (36 s.)

Wilson, M., Bathia, S., Morell, L., Gochyyev, P., Koo, B. W., & Smith, R. (2023). Seeking a better balance between efficiency and interpretability: Comparing the likert response format



with the Guttman response format. *Psychological Methods*, 28(6), 1358–1373.
<https://doi.org/10.1037/met0000462> (16 s.)

Wu, M., Tam, H. P., & Jen, T.-H. (2016). What is measurement? In M. Wu, H. P. Tam, & T.-H. Jen (Eds.), *Educational Measurement for Applied Researchers: Theory into Practice* (ss. 1–18). Springer. https://doi.org/10.1007/978-981-10-3302-5_1 (18 s.)

(Totalt ca 200 sidor.)

Valbar litteratur

Diskuterar och väljs tillsammans med kursens lärare

- Cirka tjugo artiklar, inom doktorandens forskningsområde, från vetenskapliga tidskrifter, (cirka 200 sidor).
- En avhandling som använder kvantitativa forskningsmetoder

Övrigt

Relevant litteratur om registerdata och Item Response Theory (meddelas under kursen).

Referenslitteratur

Kulas, J. T., Prieto Palacios Roji, R. G., & Smith, A. (2021). *IBM SPSS essentials: Managing and analyzing social sciences data*. John Wiley & Sons, Inc. (267 s.)

OECD. (2017). *PISA 2015 technical report*. (ss. 339–342). (4 s.)