

Forskningsmetode 1: Statistik– Forår 2022
Bacheloruddannelsen
Aarhus Universitet

Pensumlisten findes på fagets side på Brightspace med links og oplysninger om semesterhyldede.

Armhein, V., Greenland, S., & McShane, B. (2019). Scientists rise up against statistical significance. *Nature*, 567, 306-307.

This brief commentary outlines some of the challenges associated with traditional null hypothesis significance testing and argues for a paradigm shift in the way we interpret scientific results.

Field, A. (2017). *Discovering statistics using IBM SPSS Statistics* (5. edition). Sage.

This book introduces basic statistical theory and methods, including practical instruction on how to run a range of statistical analyses using IBM SPSS software. The specific pages assigned for each topic are listed below.

Topic	Primary Lecture Readings	Additional SPSS Readings
Psychology and the Research Process	Chapter 1 p. 1-9	—
Measuring Human Behaviour	Chapter 1 p. 9-22	Chapter 4 p. 135-166; 171-175
Using Statistics to Describe Observations	Chapter 1 p. 22-46	Chapter 5 p. 176-197; 218-223
Using Statistics to Test Hypotheses/Significance	Chapter 2-3 p. 47-122; 131-134	Chapter 6 p. 224-279
Correlation	Chapter 8 p. 333-368	Chapter 5 p. 208-213; 218-223
Simple Linear Regression	Chapter 9 p. 369-397; 431-436	Chapter 5 p. 208-213; 218-223
Comparing 2 Means: part 1	Chapter 7 p. 280-297; 329-332 Chapter 10 , p. 439-456; 461-462; 476-480	Chapter 5 , p. 194-208; 218-223
Comparing 2 Means: part 2	Chapter 7 p. 297-305; 329-332 Chapter 10 p. 463-470; 474-480	Chapter 5 , p. 194-208; 218-223 (<i>cont.</i>)
Comparing 3+ Means: ANOVA part 1	Chapter 7 p. 306-320; 329-332 Chapter 12 p. 519-565; 567-571	—
Comparing 3+ Means: ANOVA part 2	Chapter 7 p. 321-332 Chapter 15 p. 649-675; 678-681; 700-701	—
Analyzing Categorical Data: the chi-squared test	Chapter 19 p. 834-846; 849-859; 861-863; 872-876	—

Faktor:

a = 1,2

b = 1,8

Tekst	Type	Angivne sider	Normalsider
Armhein et al. (2019)	a	1	1
Field (2017)	a	876	1051
Total		877	1052