

Vintereksamen - Dataanalyse

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[illegible]

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```
pacman::p_load("tidyverse", "magrittr", "nycflights13", "gapminder", "Lahman", "maps", "lubridat")

data1 <- read_excel("data/stud_exam_data.xlsx")
```

1 Intro

Hallo!

Quarto supports executable code blocks within markdown allowing you to create fully reproducible documents and reports. The code required to produce your output is part of the document itself, and is automatically re-run whenever the document is rendered.

1.1 Oversigt

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2 Metode

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2.1 Videnskabsteori

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3 Databrug (intern analyse i data perspektiv)

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3.1 Organisation

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3.2 Processer (benchmark)

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3.3 Kultur

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3.4 Modenhed

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4 Datainitiativer

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4.1 Introduktion til dataanalysen

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4.1.1 Baggrund

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4.1.2 Formål

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Fra fortningsproblem til datamining problem

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4.1.3 Oversigt

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4.2 Data/dataforståelse

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4.2.1 Importer data til R

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4.2.2 Output variabel

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4.2.3 Forklarende variabler

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4.2.4 Data pre-processing i R

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Explorative analyse

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Vurdering af outliers

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4.2.5 Vurdering af missing værdier

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Transformationer af variabler

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5 Valg af metode til at teste model performance

5.1 Resultater

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5.1.1 Konkurrerende modeller

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5.1.2 Modeludvælgelse

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5.1.3 Endelig model

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5.1.4 Overordnet præcision i forudsigelse

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Observeret og prædiktet værdier af målvariablen

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Forbedring i forhold til en baseline model (ingen model)

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Prædiktation med selv-konstruerede forklarende variabler

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5.2 Diskussion

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5.2.1 Vurdering af modellens performance

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5.2.2 Vurdering af bidraget til løsningen af forretningsproblemet

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5.2.3 Udrulning af anbefalingerne

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6 Konklusion

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