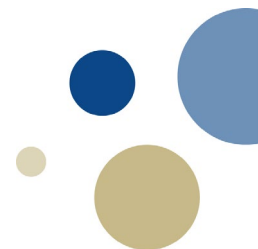


# Universell utforming av kompendier

Presentasjon av pilotprosjekt ved NTNU – var 2017

v/Line Tørum Amdam (NTNU Grafisk senter)  
og Tone Fiskaa (NTNU Universitetsbiblioteket)

# Litt historikk



- Fram til høst 2016 brukte NTNU trykte kompendier

I sin tid var det daværende studenteide Tapir som hadde oppgaven med å produsere kompendiene for NTNU:

- lave produksjonskostnader/billigst mulig
- lite bearbeiding
- lave trykkekostnader

Kompendiene skulle selges til kostpris, og det var en avtale om at kompendiene skulle være så billige og «bra nok» som mulige.

# Hvordan tar vi egentlig tak i dette?

- Utgangspunkt – flate pdf'er
  - Gamle trykkefiler
  - Kopi av kopi av kopi
- OCR – Optimal Character Recognition
- Hva ønsker vi å oppnå?
  - Grundig bearbeiding
  - Fjerning av støy på sidene
  - Tagging (helst 3 nivåer) av overskrifter
  - Mulighet for talesyntese/leserekkefølge
- Programvare
  - Adobe Acrobat
  - Abbyy Finereader

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## Significant Symbols and Language

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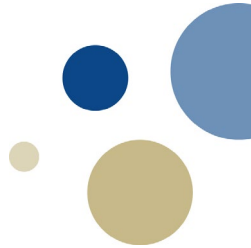
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# Hva skal vi teste?



- 3 forskjellige kompendier
  - Fulltekst
  - Figurer
  - Tabeller
- Endte med å teste kun ett
  - PED1006
  - 18 tekstutdrag
  - 270 sider
  - Norsk, engelsk, dansk

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# Adobe Acrobat

- Standard program i Adobepakken
- Lett tilgjengelig
- Enkelt å OCR-scanne men...
- Dårlig resultat med dårlig utgangspunkt
- Vanskelig å redigere

1

2

3

4

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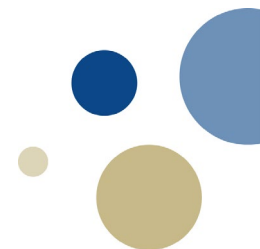
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# Abbyy Finereader



## Muligheter:

- Enkelt å redigere
- Kan velge å konvertere til:
  - pdf
  - word
  - Epub
- Ryddig resultat

## Utfordringer:

- Feilmeldinger
- Fortsatt en del redigering
- Endringer i sideoppsett
- Problemer med fotnoter
- Tilbake til start
- Tidkrevende

# Endelig resultat:

## Slik ser siden nå ut i Adobe Acrobat og Adobe Reader

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# Videre bearbeiding

15 ritzer-ocr.pdf - Adobe Acrobat Pro DC

File Edit View Certified PDF PitStop Pro Window Help

Home Tools 15 ritzer-ocr.pdf x

Accessibility

Order

- 15 ritzer-ocr.pdf
  - Page 1
  - Page 2
  - Page 3
    - [1] Among gestures, Mead placed great importance on vocal gestures. All gestures of lower animals are nonsignificant (the bark of a dog to another dog) and some human vocal gestures may be nonsignificant (snooring). However, most human vocal gestures are significant, the most important of them involving language. This system of significant gestures is responsible for the great advances (control over nature, science) of human society.
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  - Page 4
  - Page 5
  - Page 6
  - Page 7
  - Page 8

Touch Up Reading Order

Draw a rectangle around the content then click one of the buttons below:

Text	Figure	
Form Field	Figure/Caption	
Heading 1	Heading 4	Table
Heading 2	Heading 5	Cell
Heading 3	Heading 6	Formula
Background		
Table Editor		

☒ Show page content groups

☒ Page content order

☐ Structure types

☒ Show table cells

☒ Display like elements in a single block

☒ Show tables and figures

Clear Page Structure... Show Order Panel

Help Close

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# Ressursbruk

