

$$\int -x^{-1} dx = \frac{\pi a^2}{4}$$

$$[f(x) \pm g(x)] = l \pm m$$

$$[f(x) \cdot g(x)] = l \cdot m$$

$$\frac{1}{f(x)} = \frac{1}{l}$$

$$\frac{1+3+3+6+8+9}{6} = 5$$

$$\frac{2+4+4^6+8+12}{6} = 30$$

$$A = \frac{1}{2} b h$$

$$h(C) = 84$$

$$h(BUC) = h(B) + h(C)$$

$$f(x) \leq 5$$

$$x^2 - 4x + 5 \leq 5$$

$$x^2 - 4x \leq 0$$

$$-h(B \cap C)$$

$$\sqrt[n]{a^m} = a^{\frac{m}{n}}$$

$$\sqrt[3]{a^3 \sqrt{a}} = \sqrt[3]{a \cdot a^{\frac{1}{3}}}$$

$$\sqrt[3]{24} = \sqrt[3]{5 + \sqrt{4 \cdot 6}}$$

$$a_n = \frac{1}{2^{n-1}}$$

$$= \frac{1}{2^9} = \frac{1}{512}$$

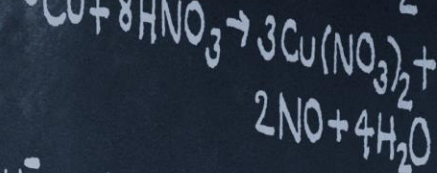
$$z_1 = \frac{a \begin{vmatrix} D_1 & B_1 \\ D_2 & B_2 \end{vmatrix} - b \begin{vmatrix} D_1 & A_1 \\ D_2 & A_2 \end{vmatrix}}{a^2 + b^2 + c^2}$$

$$\frac{g_1}{g_2} = \left(\frac{R_2}{R_1}\right)^2 = \left(\frac{R_1 + h}{R_1}\right)^2$$

$$E = mc^2$$



$$\cos(B) = \frac{y}{r}$$





The problem with Google's health care ambitions is that no one knows where they end

Building search tools is just the start

By James Vincent | Nov 12, 2019, 12:08pm EST

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GOOD DEALS



Hva er ansvarlig KI?

- KI som ivaretar menneskets grunnleggende **rettigheter og friheter**.
- KI som støtter opp om **demokratiske samfunnsidealer**
- KI med mennesket i **førersetet**:
 - Mennesker gjør feil, men uten styring vil teknologien også gjøre feil.
 - Skal teknologien hjelpe oss, må den formes.




John Giannandrea.
JETTY

Artificial Intelligence / Robots

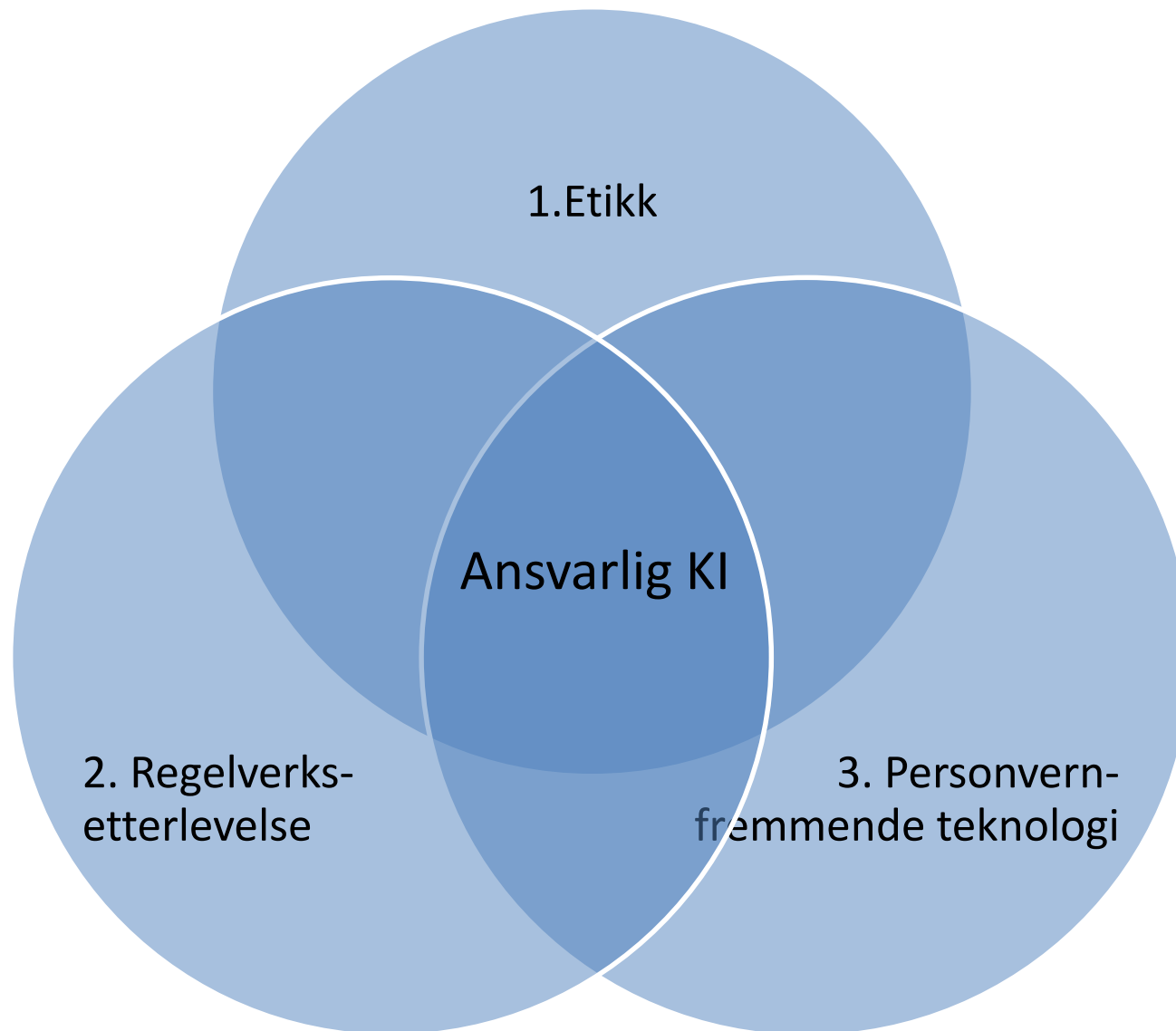
Forget Killer Robots — Bias Is the Real AI Danger

John Giannandrea, who leads AI at Google, is worried about intelligent systems learning human prejudices.

by Will Knight Oct 3, 2017



Vi må jobbe på tre fronter



1. Etikk: et kompass å styre etter



“Not everything that is legally compliant and technically feasible is morally sustainable”

Giovanni Buttarelli,
European Data Protection Supervisor
(1957 – 2019)

The Nuremberg Code

- Voluntary consent
- Fruitful results for the good of society
- Anticipated results will justify the performance of experiment
- Avoid all unnecessary physical or mental suffering
- No research should be conducted where there is a reason to believe that death or disabling injury will occur
- The degree of risk to be taken should never exceed that determined by the humanitarian importance of the problem to be solved

2. Ansvarlighet krever forståelse av risikobildet



KI-spesifikke risikoområder

Rettferdighet og
gjennomsiktighet

**Korrekthet
(treffsikkerhet)**

Fullautomatiserte
beslutnings-
systemer

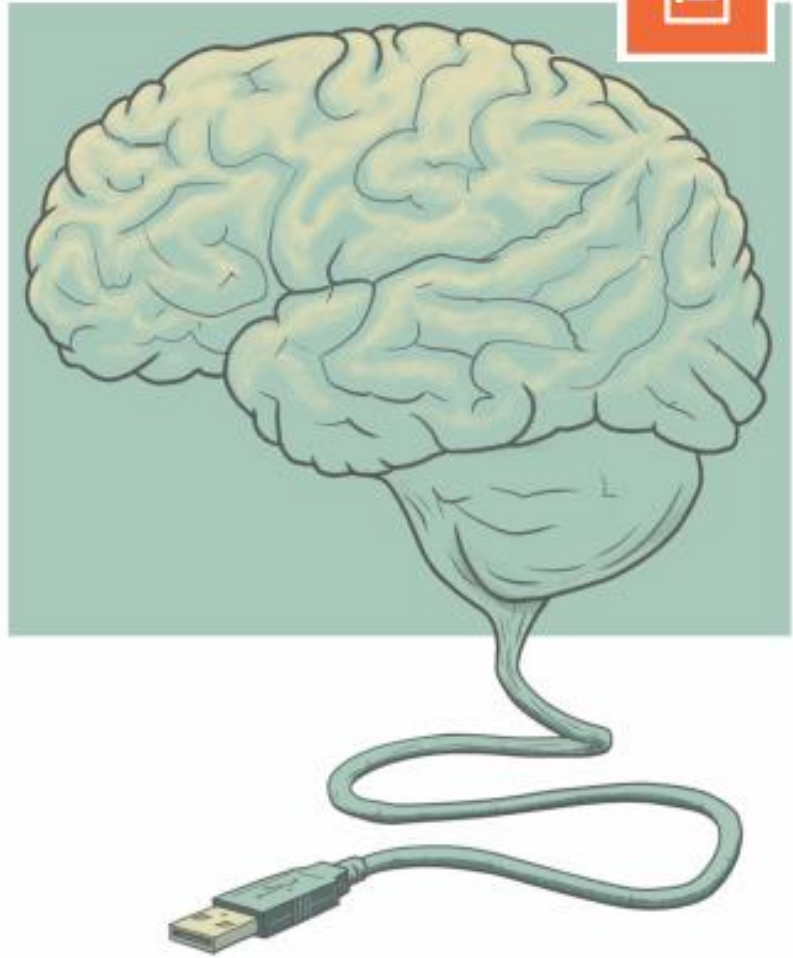
Sikkerhet og cyber

**Dataminimalisering
og
formålsbegrensning**

**Avveininger
(trade-offs)**

Utøvelse av
rettigheter

Berøring med andre
rettigheter og
regelverk



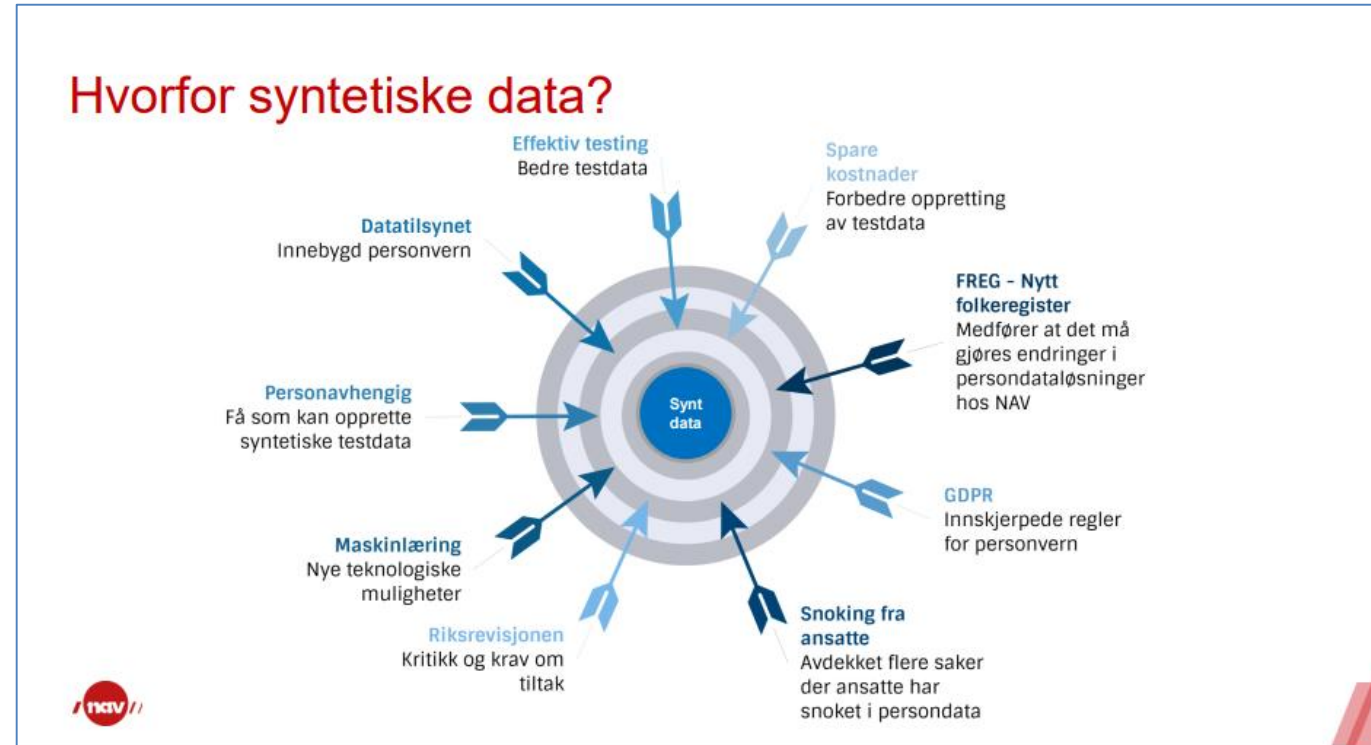
Kunstig intelligens og personvern

Rapport, januar 2018

3. Personvernforemmede teknologi



- Innebygd personvern for KI
- Åpne den svarte boksen/explainable AI
- Metoder som legger til rette for personvernvennlig bruk av data
 - Anonymiseringsteknikker
 - Syntetiske data
 - Differential Privacy



CC: NAV: syntetiske testdata

TILLIT

