Quality improvements - Bringing users along for the ride

An attempt to create a roapmap using the tools from Academia

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My paper tries to answer one (key) question

How can we, as statisticans in NSIs, build and strenghen trust to official statistics as our methods keep changing?
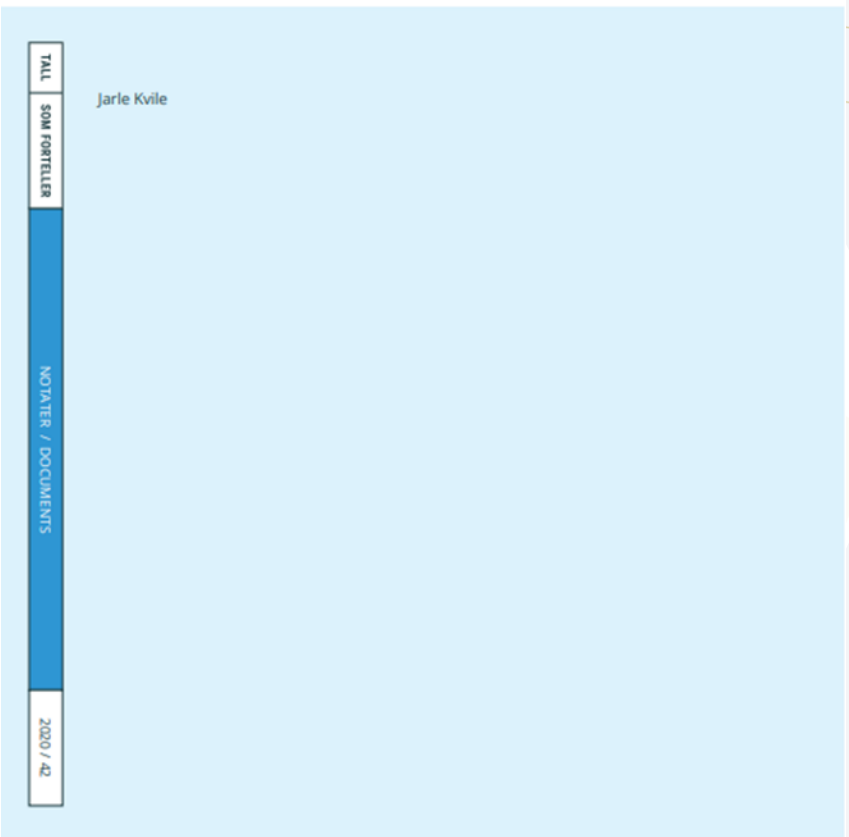
Past experience

I started with a statistics that were highlighted as a low-quality one. The accommodation statistics.

- «Lets do a quality review».

- Get a list from the quality team.

- We complete the list.

Produksjonsmessige endringer i overnattingsstatistikken

Dokumentasjonsnotat om hvordan statistikken produseres og hvordan oppgavebyrden kan reduseres

TALL SOM FORTELLER

Jarle Kvile

NOTATER / DOCUMENTS

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Now, we are «running to the cloud»

For statisticians and economists, this is close to a blank check on quality improvements.

We can finally easily implement:

- Statistical tests

- Neat tools for data cleaning
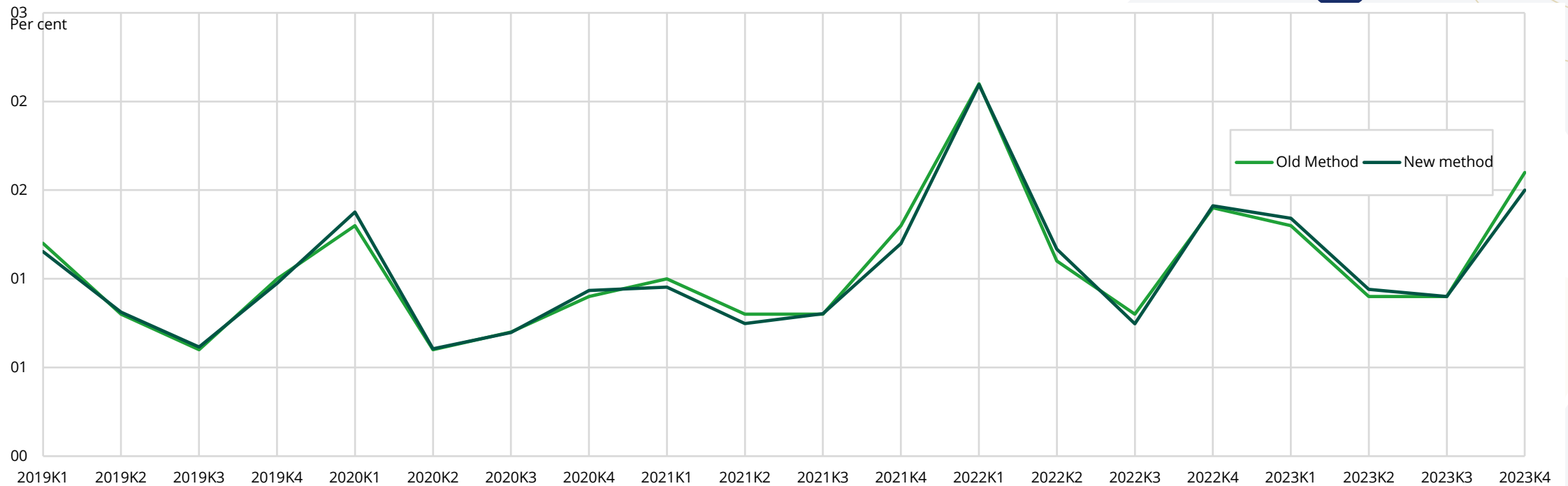
- Machine learning algorithms

Now, we are «running to the cloud»

- I was asked to transform the statistics of «self reported sick days» from legacy systems to open source systems.

- Naturally, I used a combination of sources and various methods in order to find improvements.

- However, I was left with a problem, what to do with the changing estimates?

The effect on estimate changes..

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The effect on estimate changes..

The effects on women:

- Decline of 315 000 contractoral working days lost due to self-reported sick days (2019 – 2023)
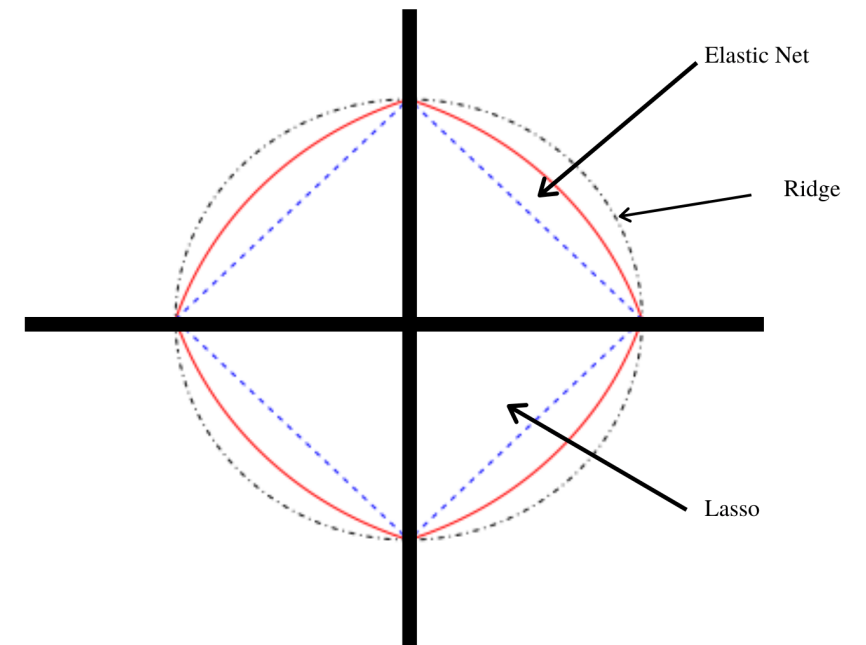
The effects on men:

- Increase of 213 000 contractoral working days lost due to self-reported sick days (2019 – 2023)

However, in adacemia…

- No «overflow» of information.

- Try to have a complete roadmap on «how to learn statistics»

- Start with the basic, and then move to the «fun stuff» ☺

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This made me eager to try a more «open-door-approach»

However, in adacemia...

- I therefore started with the basis
- Engage the most important users that are influential in the public debate
- Invite them to my office
- No response.

Næring, SN07-aggregater	Gammel			Ny		
	Begge kjønn	Menn	Kvinner	Begge kjønn	Menn	Kvinner
00-99 Alle næringer (medregnet uoppgitt)	0,88	1,59	0,86	0,67	1,13	0,72
01-03 Jordbruk, skogbruk og fiske	5,7	7,58	7,69	4,19	6,25	4,33
05-09 Bergverksdrift og utvinning	4,56	6,16	5,53	3,25	2,25	5,24
10-33 Industri	1,83	2,23	2,7	1,14	1,78	2,15
35-39 Elektris.,vann, avløp, renovasjon	2,19	2,66	3,64	2,01	2,65	3,14
41-43 Bygge- og anleggsvirksomhet	6,15	6,69	6,37	6,25	6,78	6,35
45-47 Varehandel, reparasjon av motorvogner	2,05	2,68	3,16	2,01	2,74	2,85
49-53 Transport og lagring	12,21	15,06	3,53	4,12	4,55	2,89
55-56 Overnattings- og serveringsvirksomhet	3,5	5,12	4,7	2,15	3,25	2,89
58-63 Informasjon og kommunikasjon	2,21	2,94	2,96	2,12	2,55	1,89
64-66 Finansierings- og forsikringsvirksomhet	2,28	3,46	3,02	2,24	3,55	2,98
68-75 Eiendomsdrift, teknisk tjenesteyting	2,65	3,94	3,47	1,89	3,88	2,51
77-82 Forretningsmessig tjenesteyting	3,95	6,17	4,2	3,55	5,24	4,52
84 Off.adm. og forsvar, sosialforsikr.	1,34	1,87	1,88	1,55	1,89	2,11
85 Undervisning	1,31	2,17	1,61	1,01	1,87	1,22
86-88 Helse- og sosialtjenester	1,4	2,65	1,61	0,98	2,15	1,12
90-99 Private tjenester						

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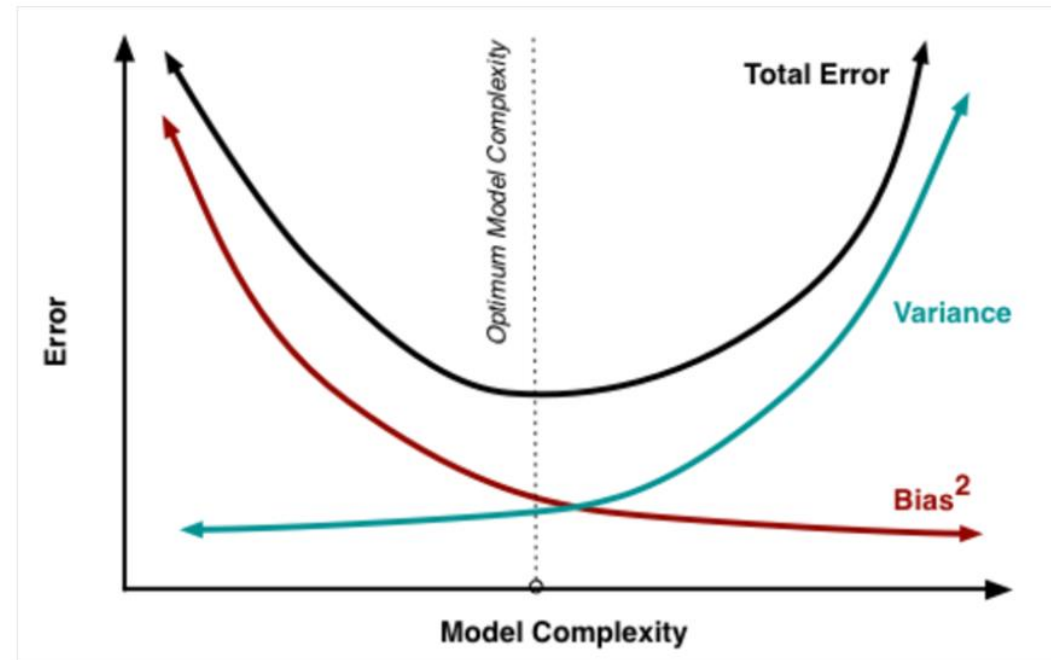financed by the European Union

Why didnt it work?

Death of the
Open Door Policy.

3 theories..

- They don't care

- They care, but they
  don't know the door is
  there

- They don't have the
  resources.

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Concluding remarks..
Are we having too much fun?