

How to score diarrhoea in piglets?

Marijke Aluwé Sam Millet Bart Ampe

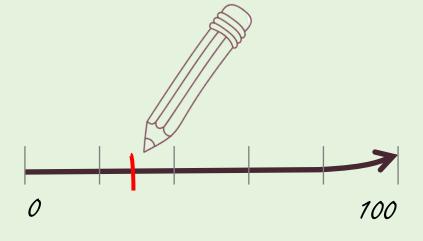








Pedersen et al. 2011

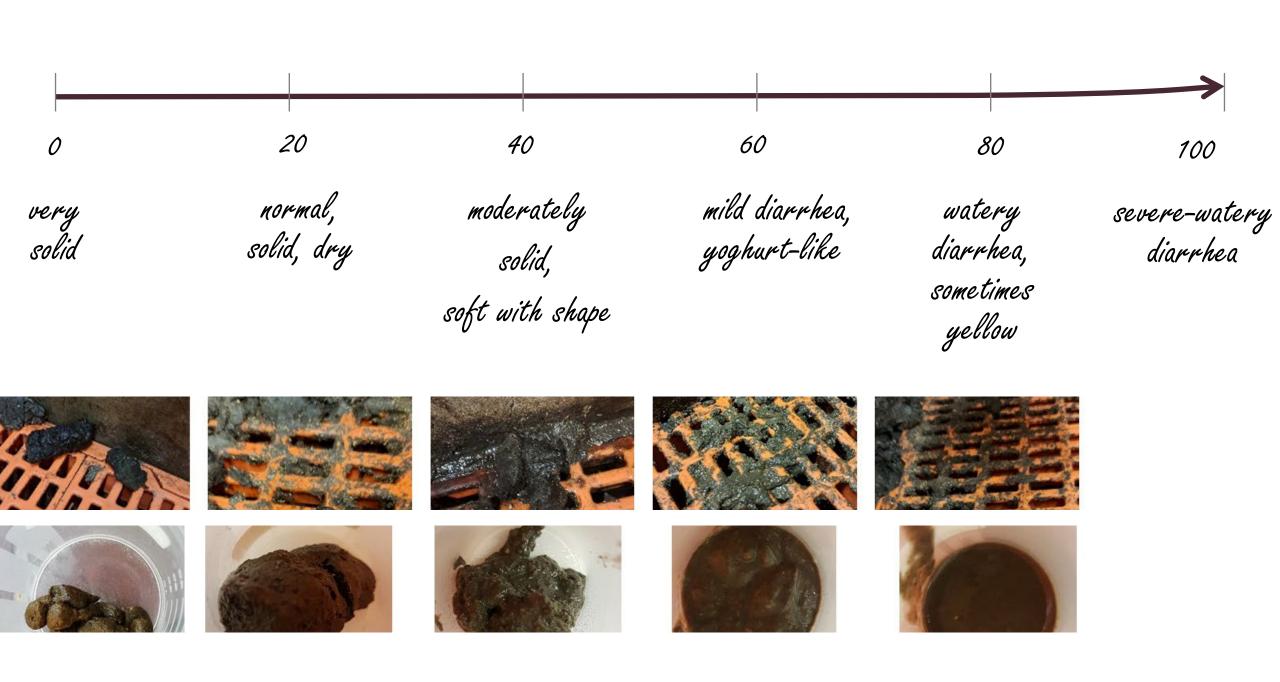


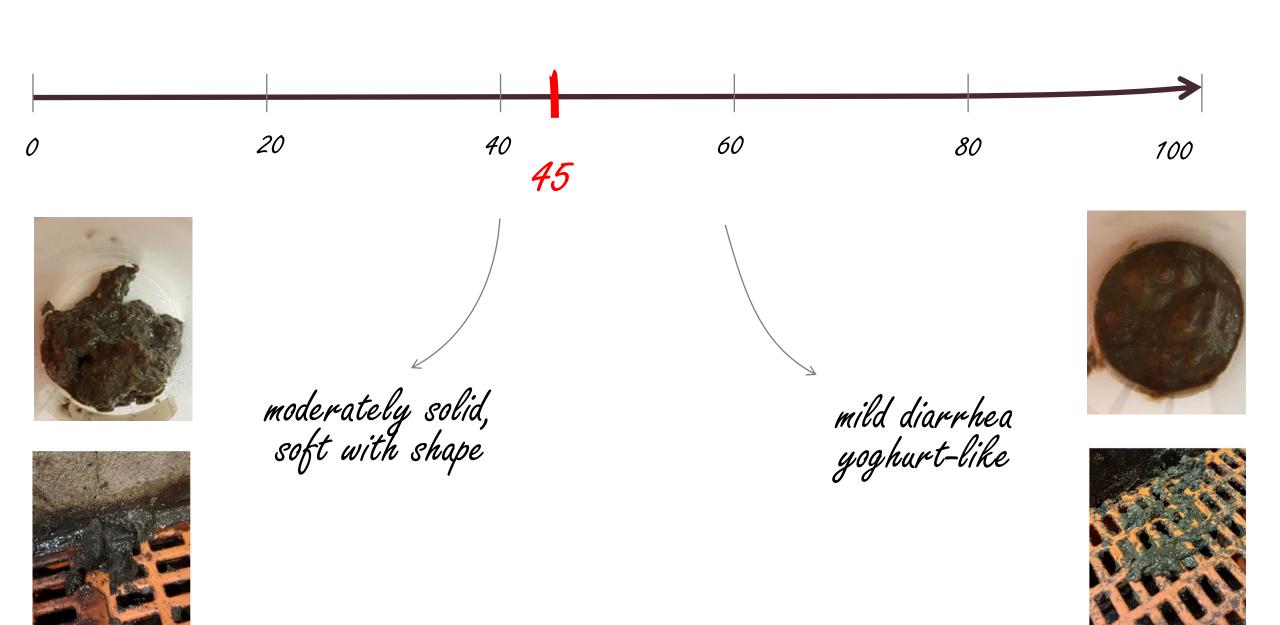


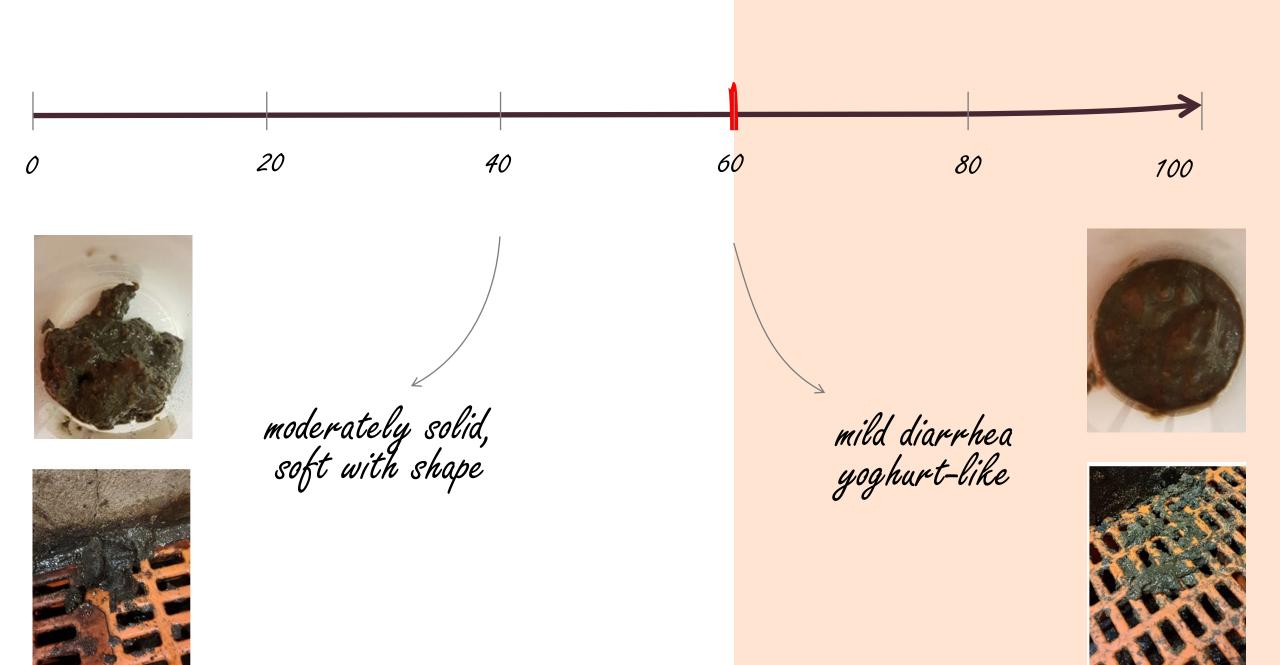




Eriksen et al. 2024











2) the reliability of scoring at pen versus at animal level

3) variation in scoring between observers

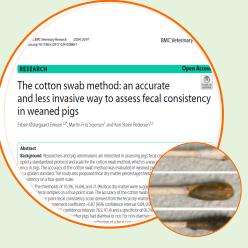


VS.





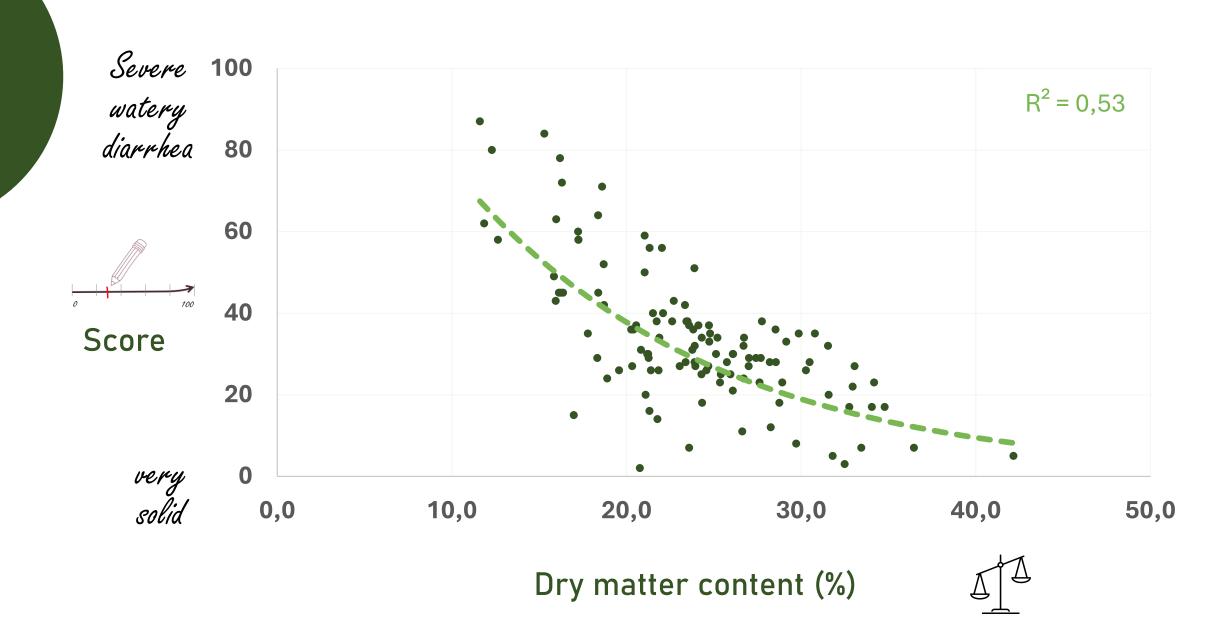
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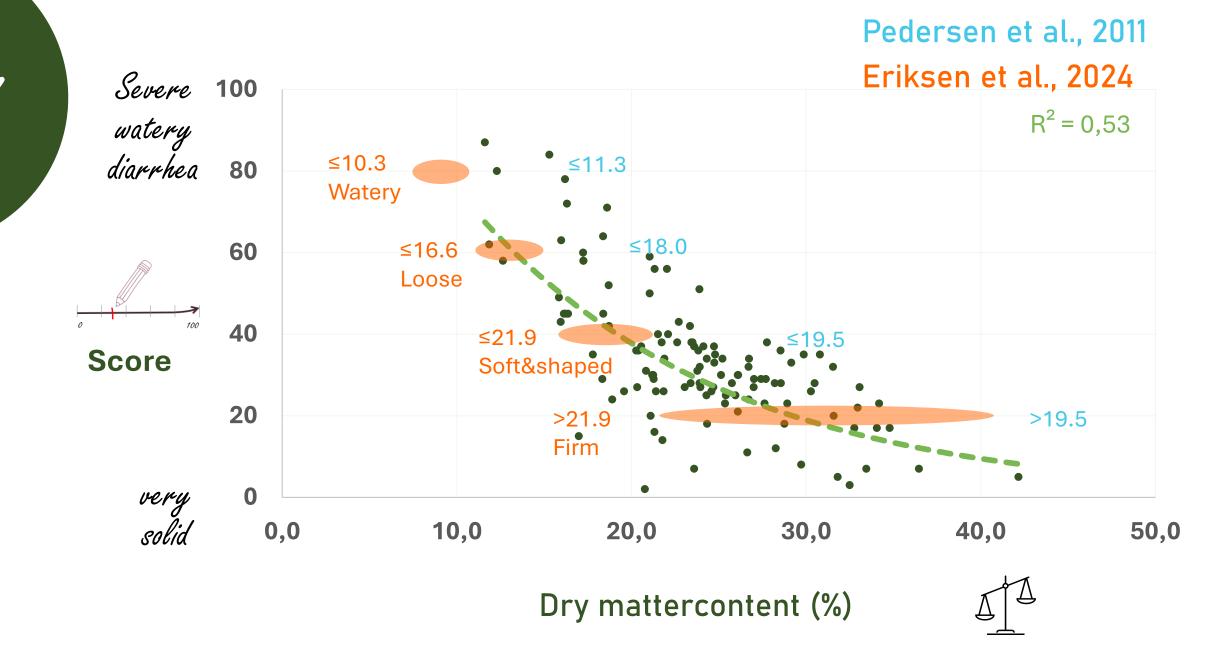


Eriksen et al., 2024

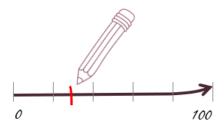


Pedersen et al., 2011

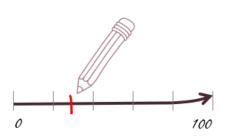




The reliability of scoring at pen versus at animal level



The reliability of scoring at pen versus at animal level









√d7 √d11



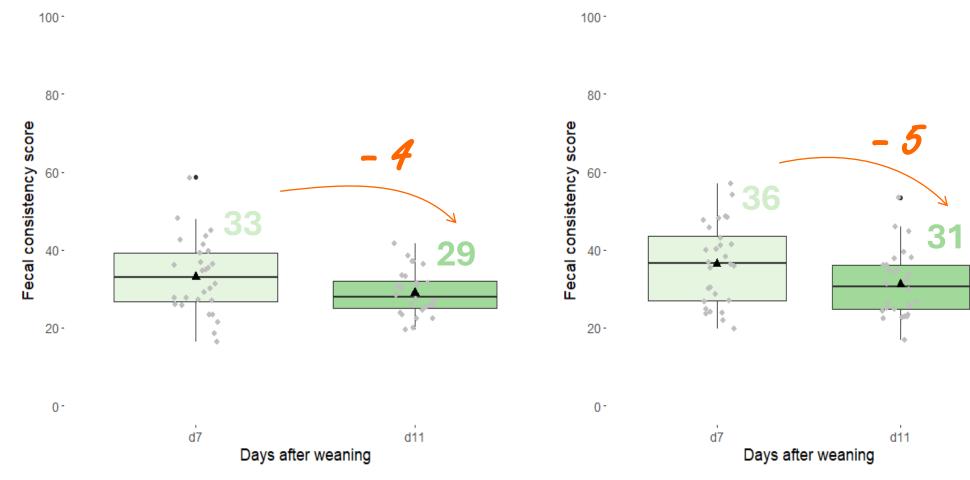
√ 5 observers

MEAN SCORE





PIGLET



BY AT LEAST 1 OBSERVER

FCS > 60





	d7	d11	d7	d11
PEN	8	3		
PIGLETS			23	11

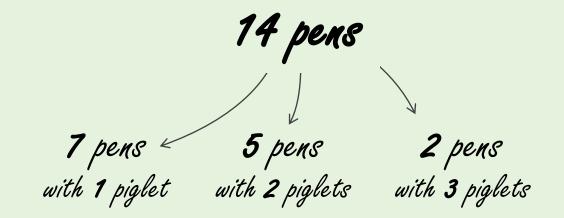
BY AT LEAST 1 OBSERVER

FCS > 60





	d7	d11	d7	d11
PEN	8			
PIGLETS			23	





Variation in scoring between observers







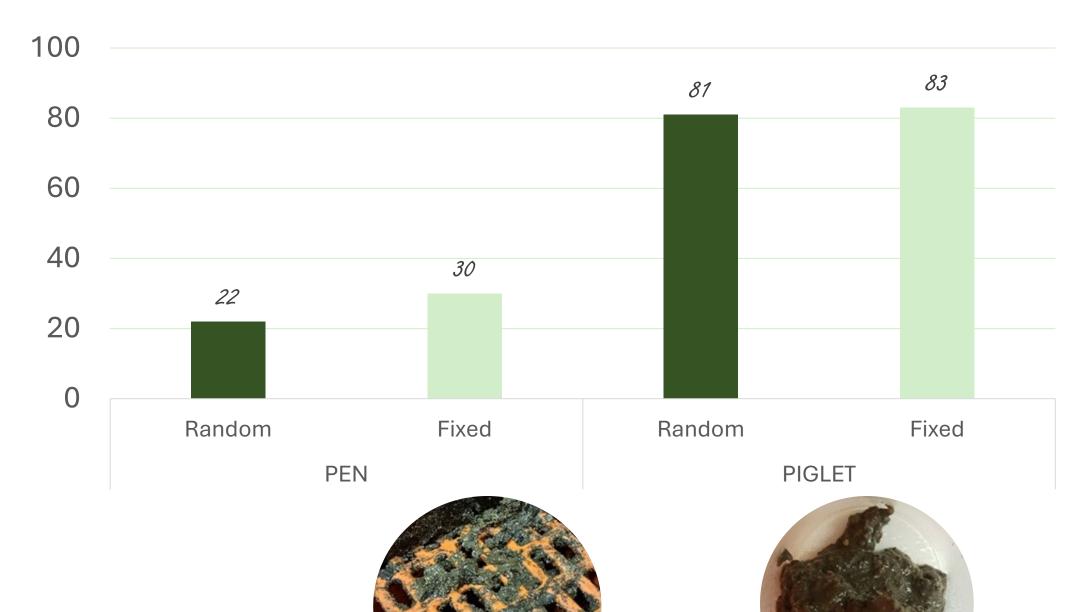
Intraclass

correlation

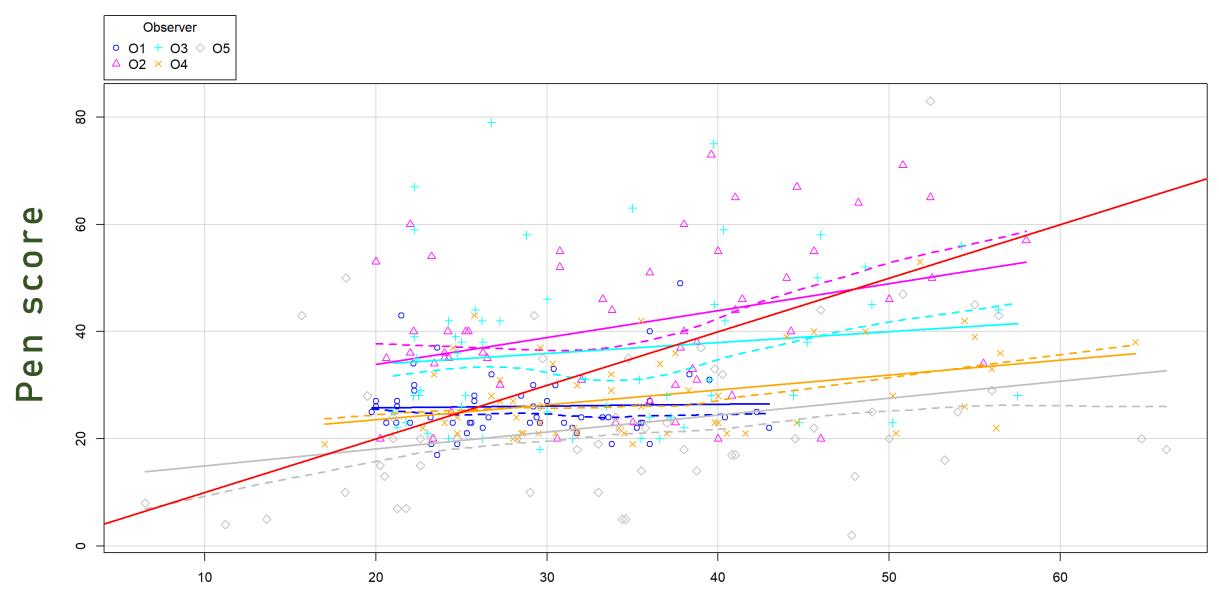
coefficient (%)

INTRACLASS CORRELATION COEFFICIENT (%)





3



Average animal score



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- I) Good relationship between FCS at piglet level and dry matter content
- 2) Poor relationship between pen and piglet level
- 3) The reliability of scoring at animal level is much higher pen level more observer dependent





How to score diarrhoea in piglets?

Thank you for your attention

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Score	1	2	3	4
Description	Firm	Soft and shaped	Loose (diarrhea)	Watery (diarrhea)
Picture				
Assessment	Sometimes, (almost) no material is deposited. Sometimes, firm and sticky feces, which may be in large quantities.	Fecal material is always deposited. A smooth/thin layer of soft feces, which are often of lighter coloration than score 1.	All of the cotton is colored with feces. The surface appears dull (less shiny than score 4). The cotton tip takes up lots of moisture.	No or only a small amount of solid material appears on the swab. The feces appear watery with a shiny surface. The stick is moist.