



Is the Qualitative Behaviour Assessment using the fixed list approach a suitable method to assess positive emotions in growing pigs?

Irena Czycholl and Joachim Krieter

Institute of Animal Breeding and Husbandry
Christian-Albrechts-University, Kiel, Germany

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Introduction

Animal Welfare

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Assessment of positive emotions

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Qualitative Behaviour Assessment

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Reliability

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Introduction Statistics

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Videosequences

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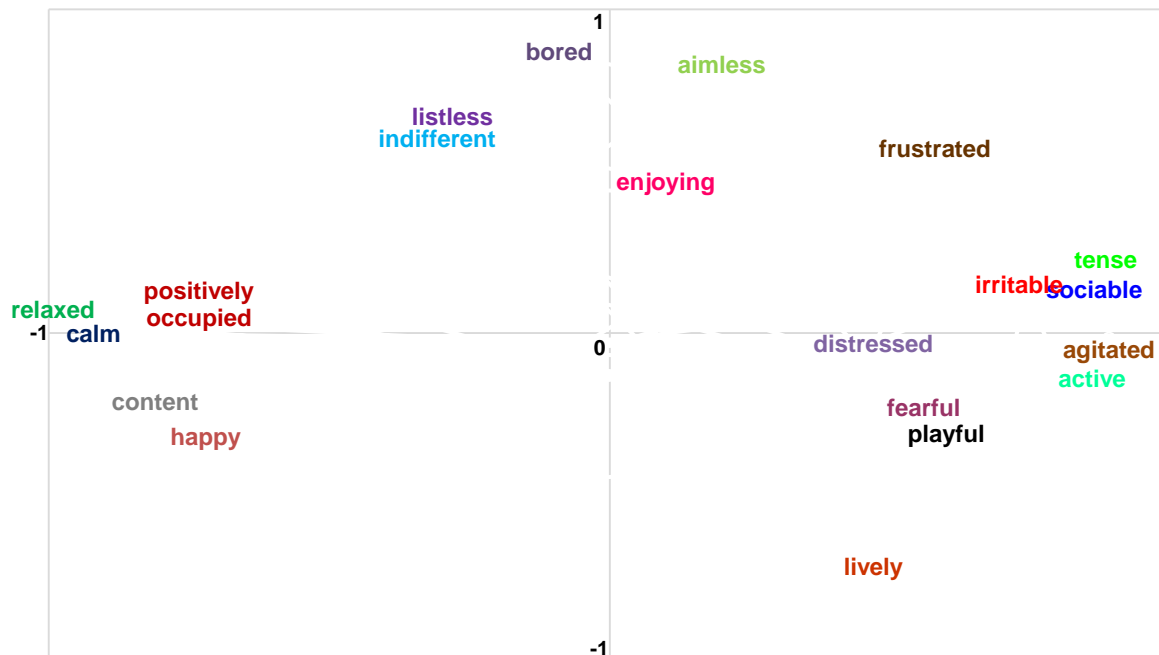
Interobserver reliability of videosequences



Interobserver reliability of videosequences

	RS
active	0.75
relaxed	0.66
fearful	0.46
agitated	0.57
calm	0.64
content	-0.40
tense	0.41
enjoying	-0.15
frustrated	-0.05
bored	-0.27
playful	0.60
pos. occupied	0.21
listless	0.02
lively	0.60
indifferent	-0.11
irritable	0.34
aimless	-0.34
happy	0.26
distressed	0.06
sociable	0.29

Comparison of Principal Components 1 and 2





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Videosequences

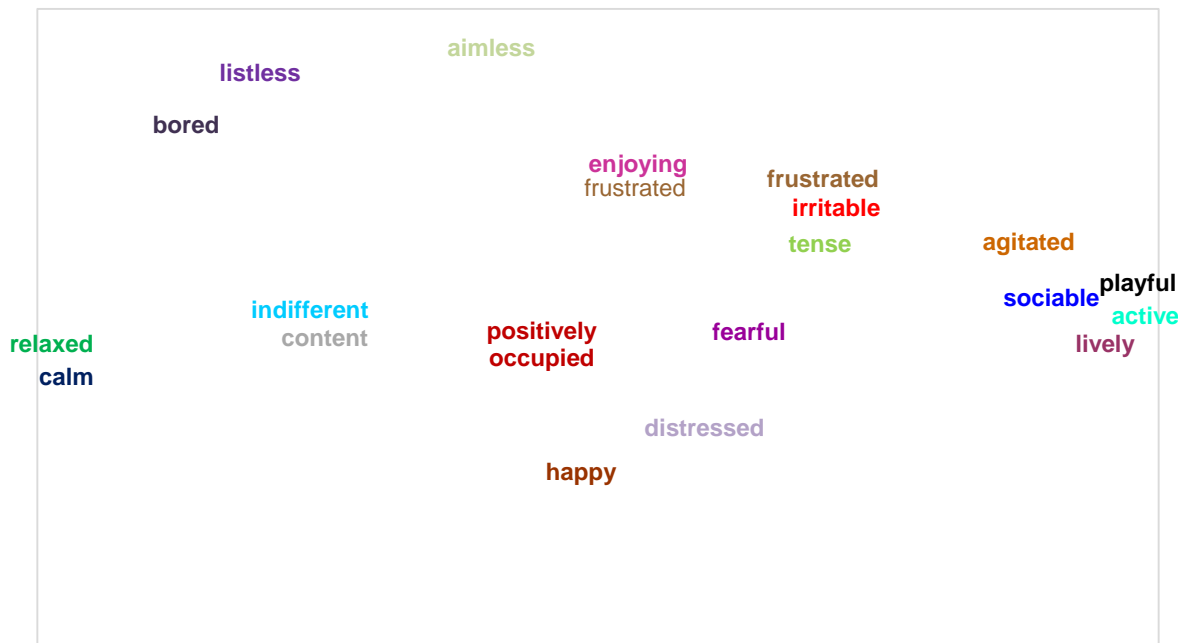
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Intraobserver reliability of videosequences



Intraobserver reliability of videosequences

Comparison of Principal Components 1 and 2





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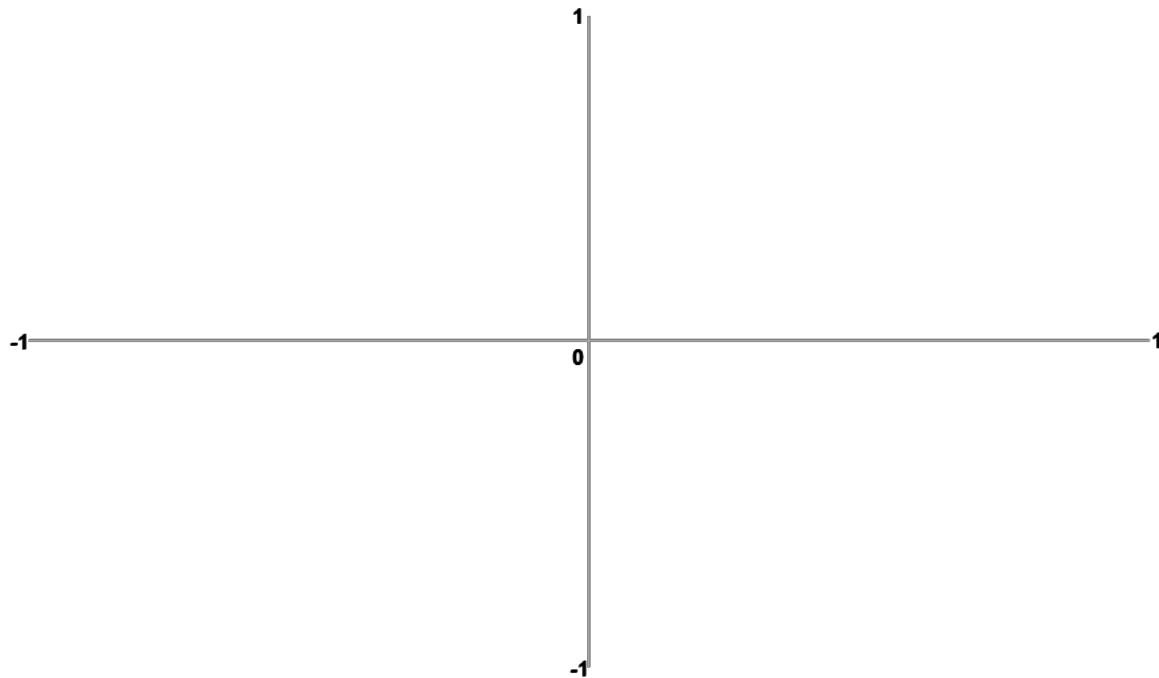
On-farm assessments

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Interobserver reliability of on-farm assessments



Interobserver reliability of on-farm assessments





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On-farm assessments

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On-farm assessments

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On-farm assessments

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On-farm assessments

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- **Videsequences: Good inter- and intraobserver reliability**
- **On-farm: Insufficient interobserver and retest reliability**
- **Contradiction to literature?**
 - Usually videosequences
 - Often Free Choice Profiling
- **Videsequences vs. on-farm**
 - Informational content of videos smaller
 - More deflections, more possibilities of focus, vocalisation on-farm
- **Use of Qualitative Behaviour Assessment as tool for the evaluation of positive emotions on-farm questionable**
 - Validity?
 - Better suitable parameters (play behaviour, Novel Object Test, ...)