

Pet-directed speech attracts horses' attention more than adult-directed speech on video-projections

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Pet-directed speech attracts horses' attention more than adult-directed speech on video-projections

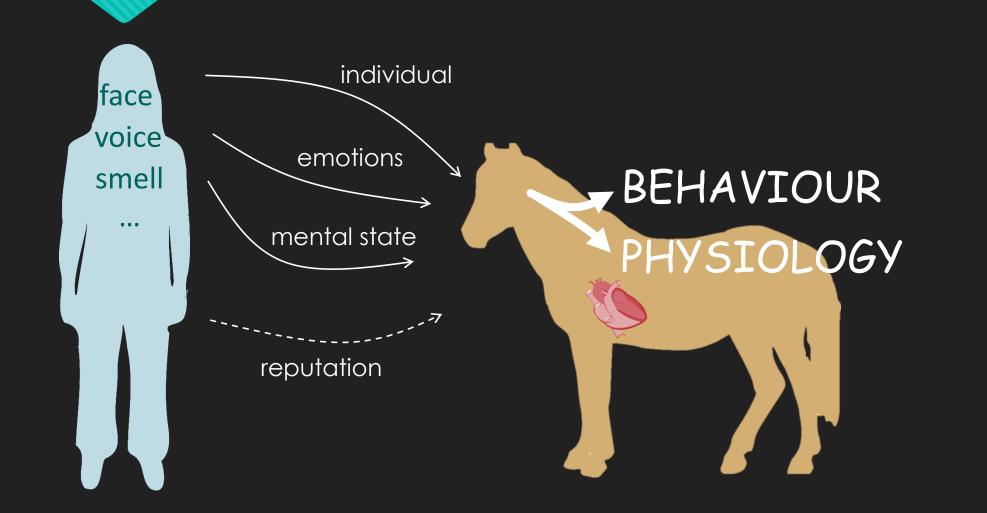
Jardat, P., Calandreau, L., Ferreira, V., Gouyet, C., Parias, C., Reigner, F., Lansade, L. Pet-directed speech improves horses' attention toward humans. *Sci Rep* **12**, 4297 (2022). https://doi.org/10.1038/s41598-022-08109-z



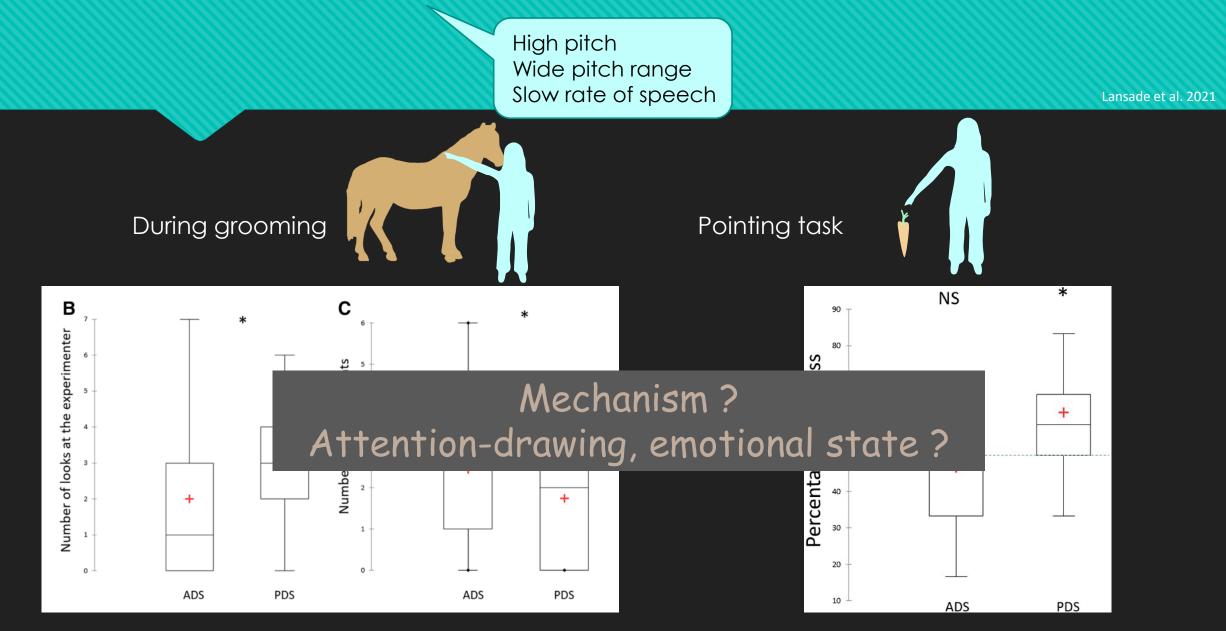


The human-horse relationship

Jardat and Lansade 2021 Proops and McComb 2010 Trösch et al. 2019 Lansade et al. 2020



Pet-directed speech and its effects on horses



Methods

credits : Estel Blasi

28 female horses

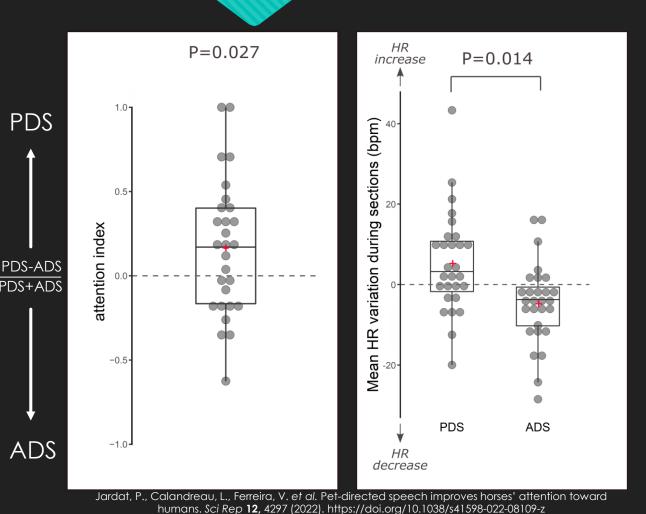
Pre-registered videos of women speaking in PDS and ADS

Attention to video

Alert/relaxed posture Defecations, neighs, snorts, shows of sclera

Heart rate HRend - HRstart

Results



PDS helps to attract horses' attention and has an arousing effect on them

No differences in emotional indicators between PDS and ADS

Discussion: why this effect of PDS on horses?

Trösch et al. 2019, 2020

Saint-Georges 2013

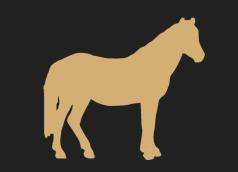
• PDS catches the ear



- PDS carries communication intent
 - Human Human is wants to talk talking to me PDS ADS



PDS conveys positive emotions





O PDS is arousing and attention-drawing for horses → can be used during human-horse interactions

 Broadcasting pre-registered videos of humans allows to study horses' perception of us

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Thank you for your attention

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