## Expectation effects on face perception – Neural and behavioural evidence of the role

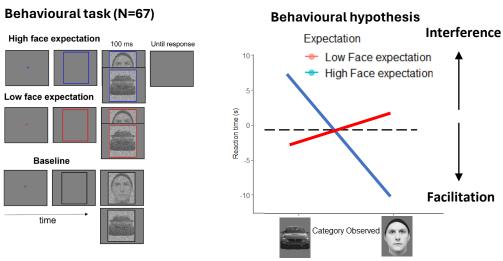




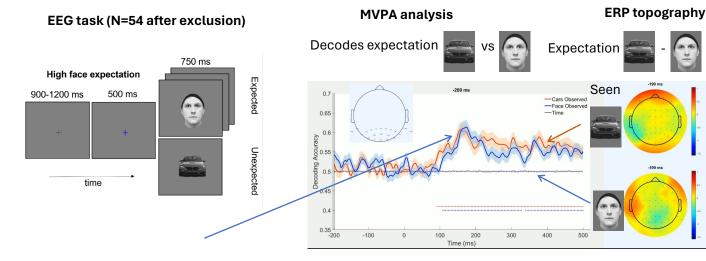




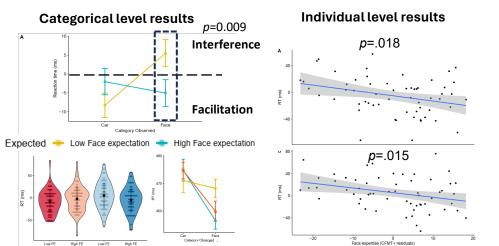
**Aims:** Across multiple experiments, we aimed to analyse the role of individual expertise on forming expectations, and its downstream effect on perception itself. Here we will focus on **Study 1** 

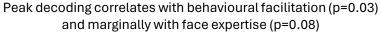


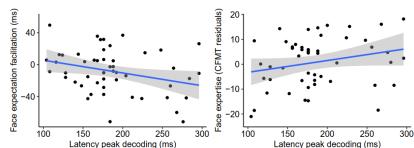
of expertise



Manipulates probabilistic information associated with a high and low expertise category (faces and cars respectively). + Independent measure of face expertise







## Conclusions

Expectations informs perception, seen in the neural signal as early as 100 ms, leading to better adaptative behavioural outputs. Behavioural effects of expectation depend on individual expertise - reveals the critical role of higher-level expertise on forming priors.



Mares, I, Smith, F. W., Goddard, E. Keighery, L., Papasavva, M., Ewing, L. & Smith, M.L. Effects of expectation on face perception and its association with expertise—neural and behavioural evidence. Scientific reports (under review)

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