Accuracy of Metacomprehension Judgements on Health-Related Texts

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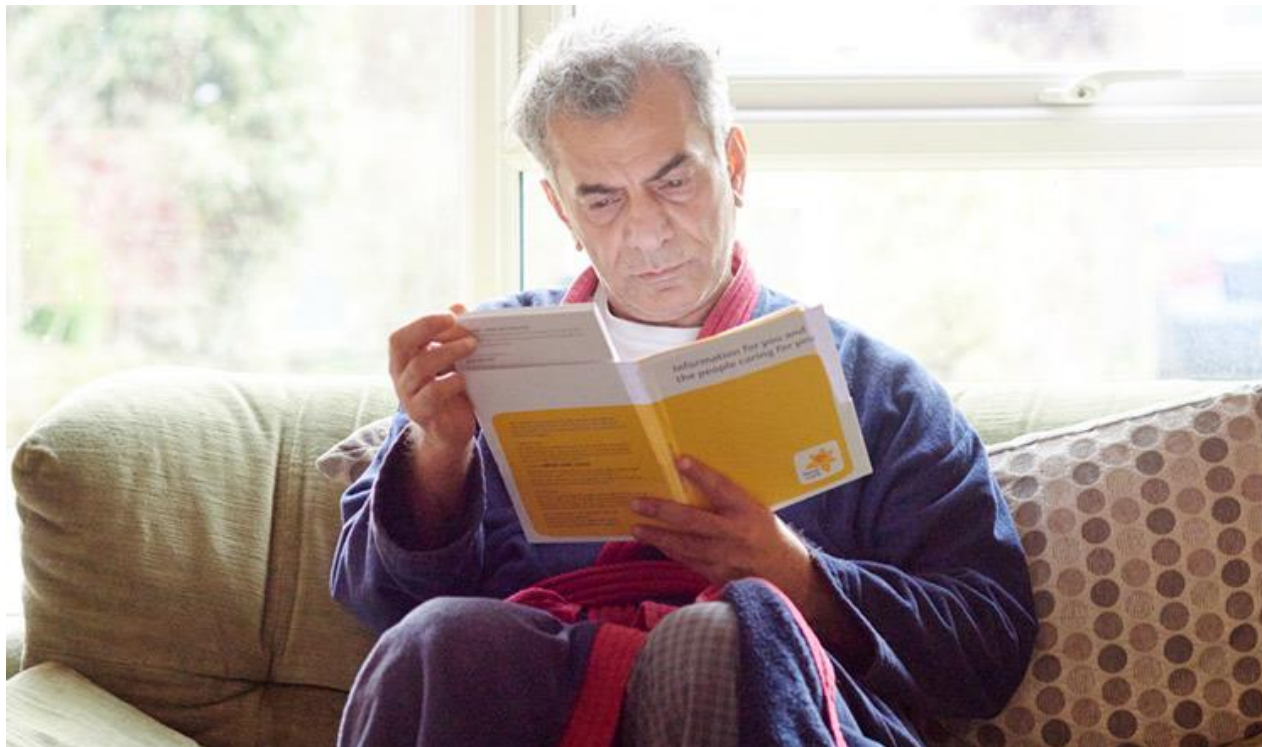[2]Department of Statistics, Lancaster University, UK

Feedback / Discussion:
What do we mean by comprehension of health information? (In terms of breadth and depth)
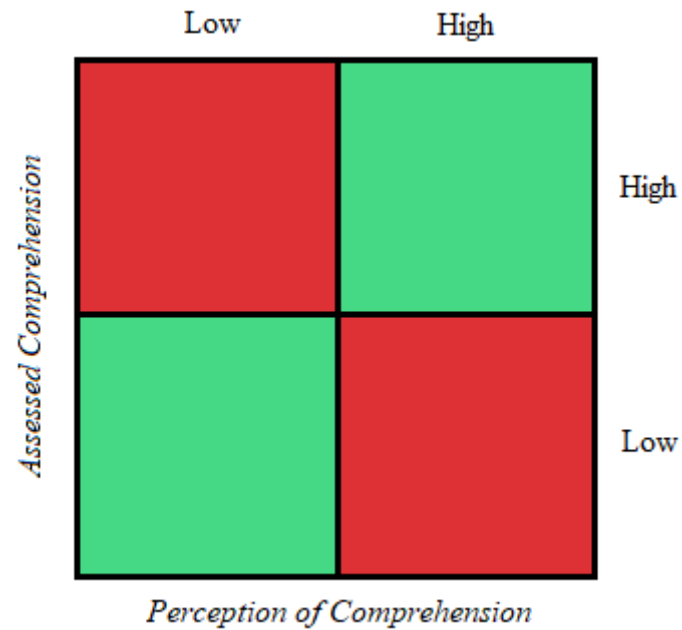
Metacomprehension of Health Information

Q. "How well do you understand this information?"

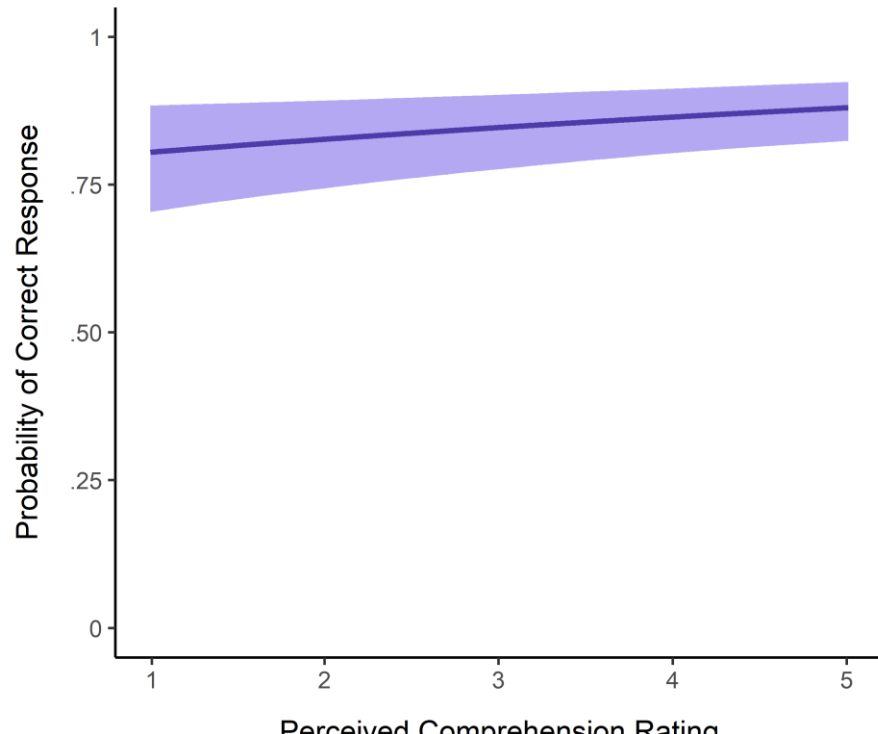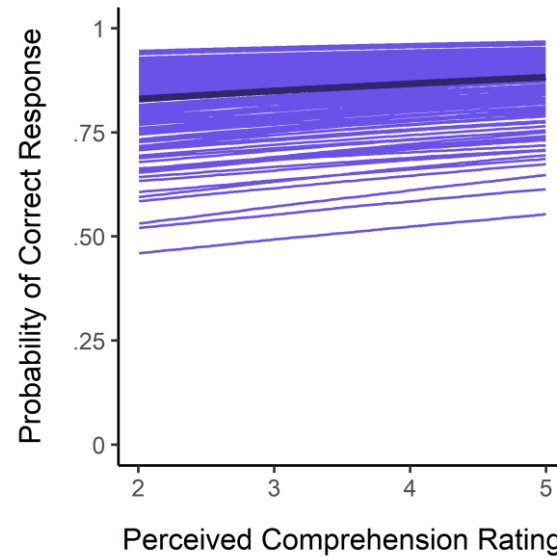# Accuracy of Metacomprehension Judgements

A simplification:

Study 1

Design: *N*=175, 10 texts, 1-5 Rating, 4 MCQs per text

Model: $\log\left(\frac{P_{ijk}}{1-P_{ijk}}\right) = \beta_0 + (\beta_1 + u_{1i})X_{ij} + u_{0i} + u_{0j} + u_{0k} + \varepsilon_{ijk}$

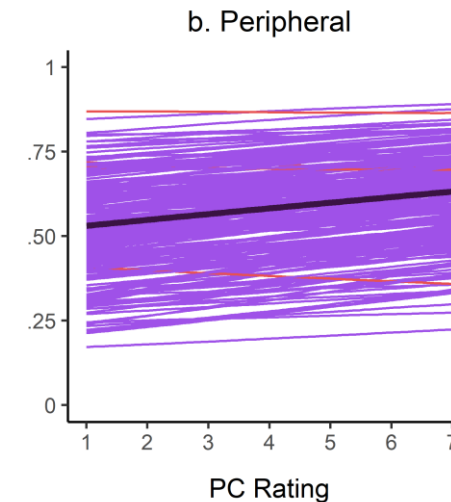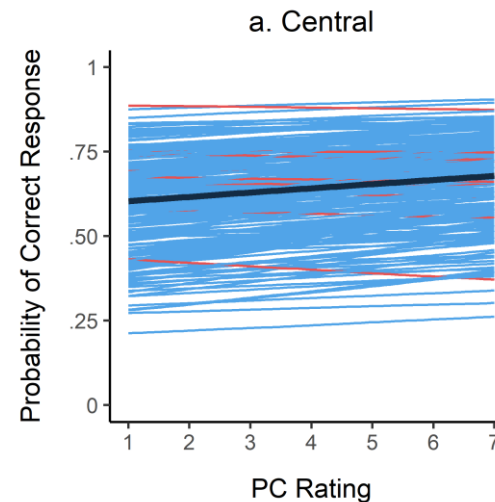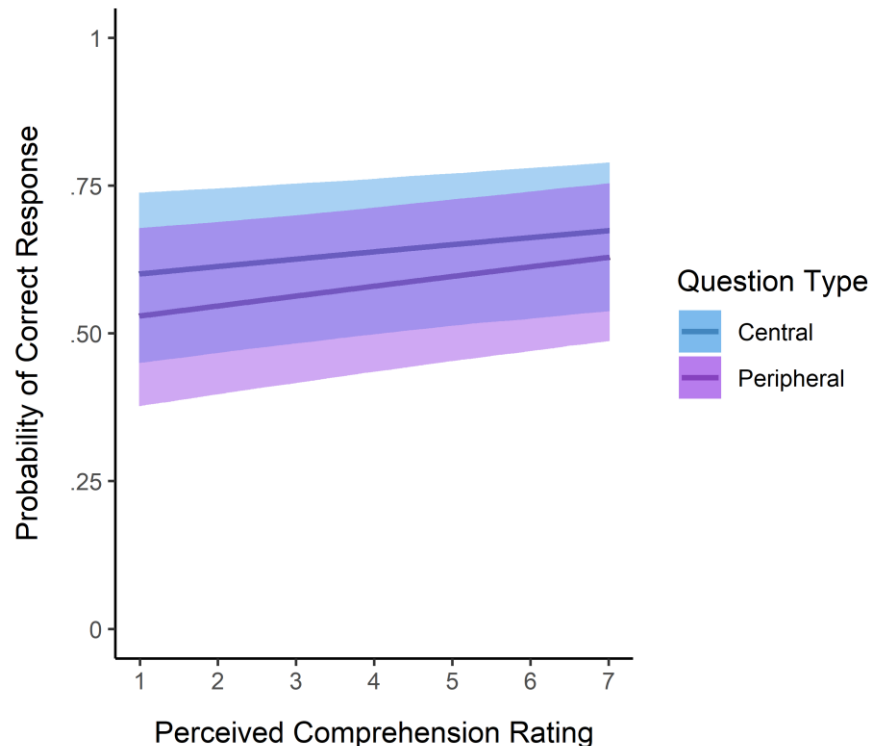Results: Population effect: Individual variability:

Study 2

Design: N=225, 13 texts, 1-7 rating, 6 MCQ per text (1/2 per type)

Model: $\log\left(\frac{P_{ijk}}{1-P_{ijk}}\right) = \beta_0 + (\beta_1 + u_{1i})X_{1ij} + (\beta_2 + u_{2i})X_{2k} + (\beta_3 + u_{3i})X_{1ij}X_{2k} + u_{0i} + u_{0j} + u_{0k}$

Results: Population effect: Individual variability:

Interim Conclusions

- Weak positive association on health-related texts

- Judgements are informative of central and peripheral details

- Limited individual variability

Thank you for listening.

Feedback / Discussion: What do we mean by comprehension of health information? (In terms of breadth and depth)