

VARZIN VPE-001

PRE-REGISTRATION PROTOCOL

v1.3

Publication Edition — OSF Submission Ready

Executive Summary

VPE-001 evaluates semantic classification performance within the LUXVAR corpus using preregistered methods and explicit failure criteria.

Revision History

v1.0 Initial protocol; v1.1 methodological corrections; v1.2 alternative explanations; v1.3 final amendments.

Methodological Corrections

Mirror-13 harmonization, layer clarification, frequency registry clarification, baseline corrections, calibration requirements.

Study Design

40 target participants, 80 LUXVAR words, 80 matched controls, calibration phase, power analysis, preregistration.

Statistical Pipeline

Fleiss' Kappa, Accuracy, Permutation Test, Chi-Square, FDR correction, sensitivity analysis.

Success Criteria

Accuracy above baseline and control, $p < 0.05$ FDR-corrected, $\text{Kappa} \geq 0.20$, robustness after familiarity filtering, $\text{Accuracy} \geq 30\%$.

Failure Criteria

Failure of any success criterion rejects H1. No post-hoc reinterpretation.

Alternative Explanations

Sound symbolism, phonaesthetic bias, orthographic bias registered before data collection.

Transparency Requirements

Raw data, code, stimuli, calibration results, power analysis, outputs publicly available.

OSF Checklist

Create project, upload protocol, upload materials, timestamp preregistration, archive revisions.

Conclusion

The protocol evaluates semantic structure only and does not test physical-field or consciousness-field claims.