Vector Psychometric Group’s research, consulting, and publishing experience cover a range of topics focused on advancing psychometric methods and practice. We believe psychometrically sound PRO development, evaluation, and validation requires an in depth understanding of standard and advanced item factor models (factor analysis, structural equation models, and item response theory), estimation methods used to obtain model parameters, tests of model assumptions and fit, understanding of how to model IRT-based scores, experiences writing results for a diverse audience, and the ability to collaborate with a wide range of researchers. While you can obtain a complete list of publications by request, we offer a few selected readings for each of the topics we believe are most important.

**Standard and advanced item factor models:**


**Estimation methods:**


**Tests of model assumptions and fit:**


**Modeling IRT-based scores:**


Experiences writing results for a diverse audience & collaborating with a wide range of researchers:


Additional Pedagogical Papers:

