

The High Stakes of Bad Exams

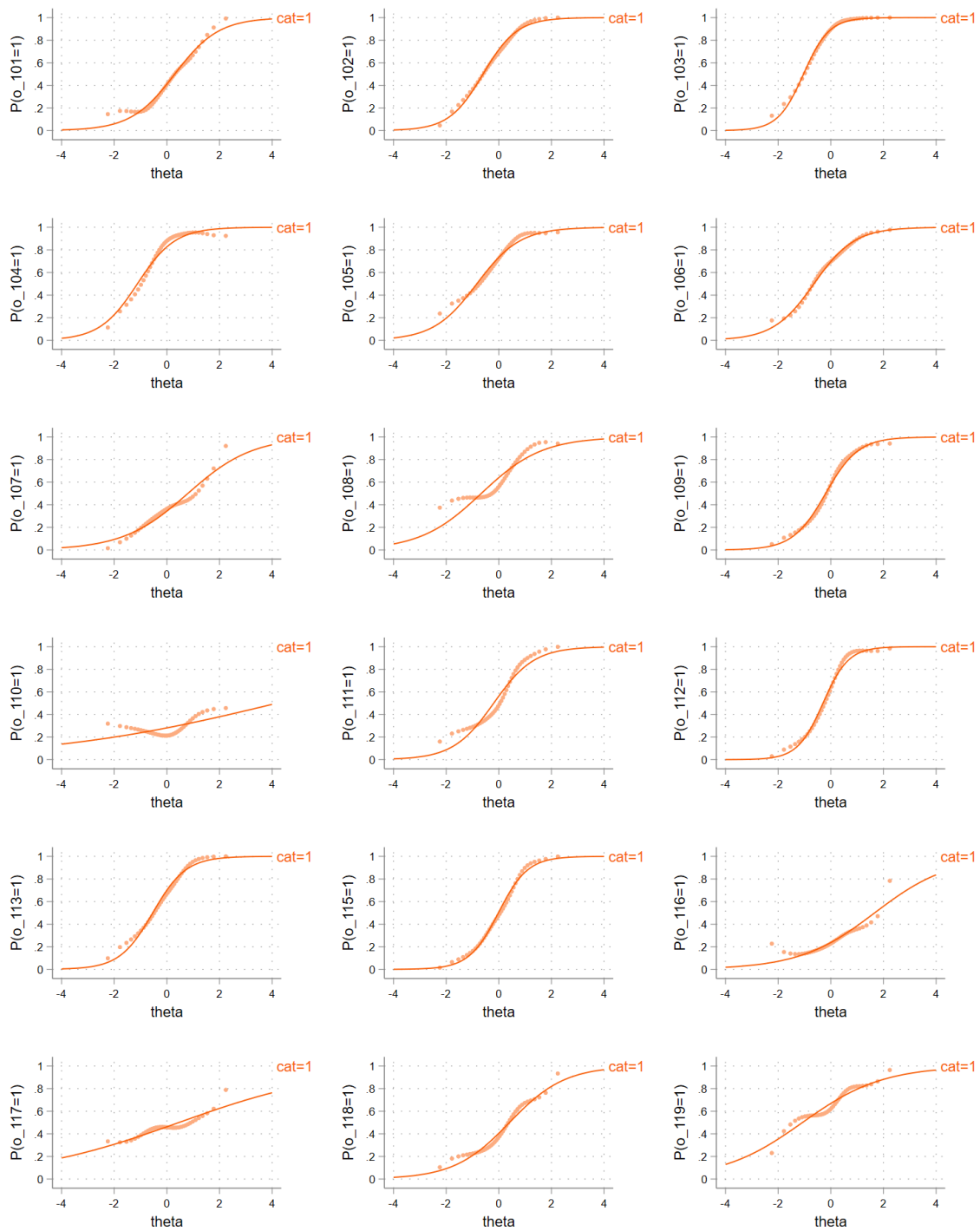
Jack Rossiter, Might Kojo Abreh, Aisha Ali, Justin Sandefur

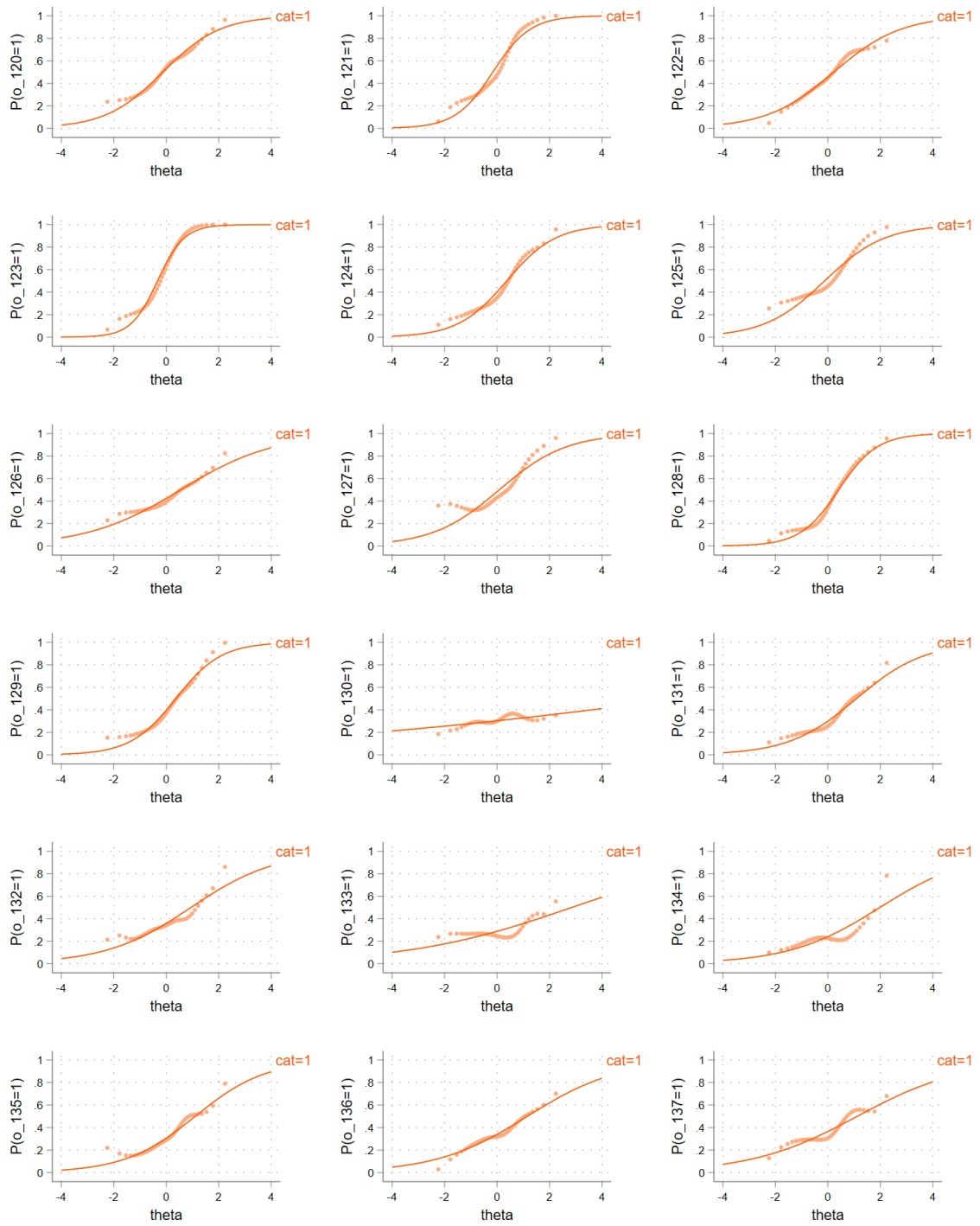
Online Appendix

I. Item Characteristic Curves and Model Fit (Multiple-Choice Items)

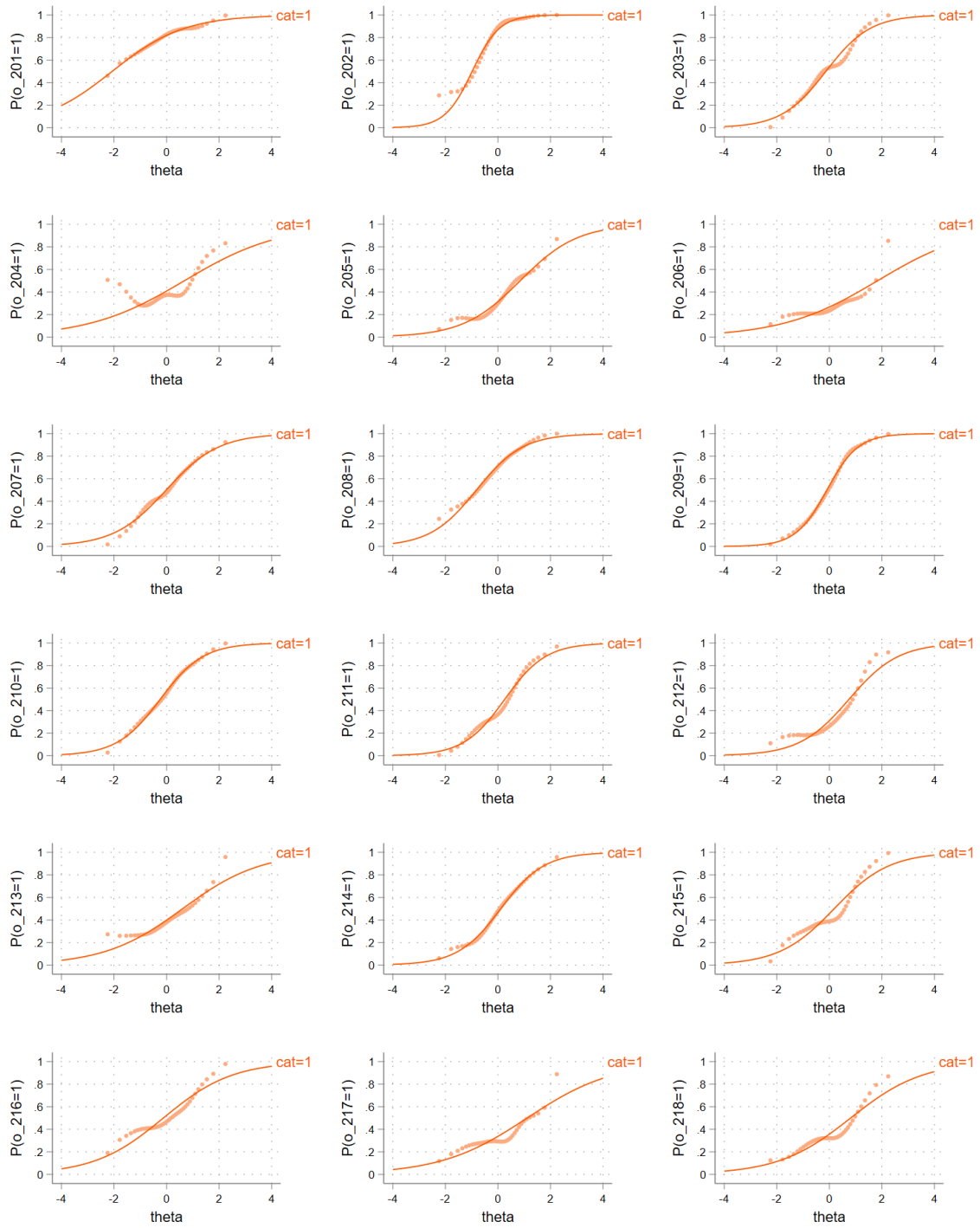
Note: items are numbered on y-axis label. For instance, o_119 is objective item from exam year 2011, (o_119) with item location 19 (o_119).

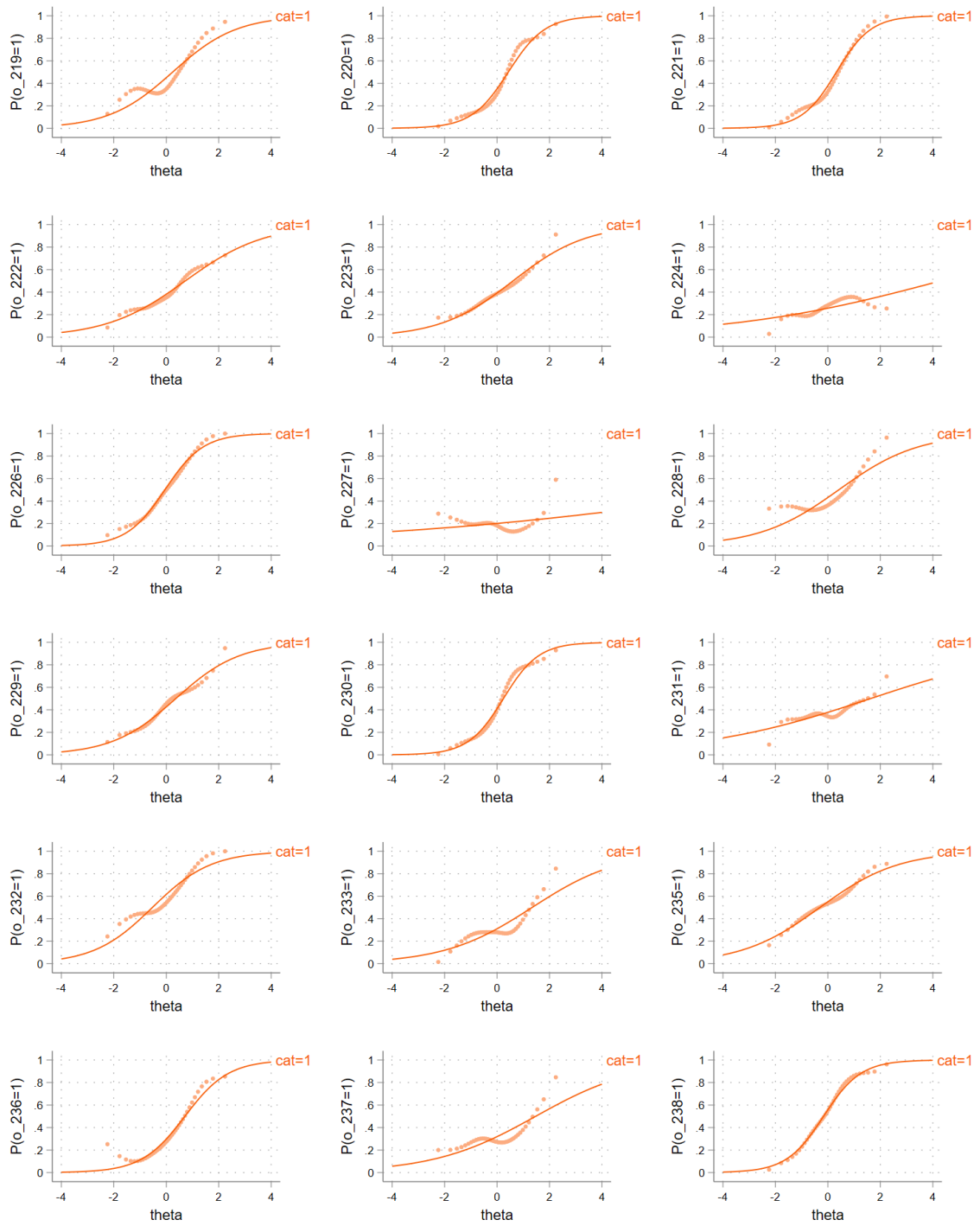
Exam Year 2011

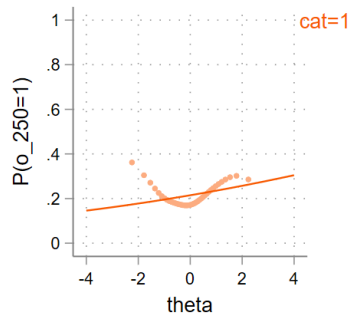
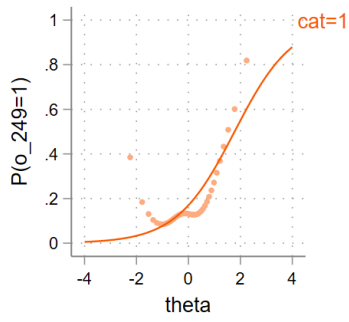
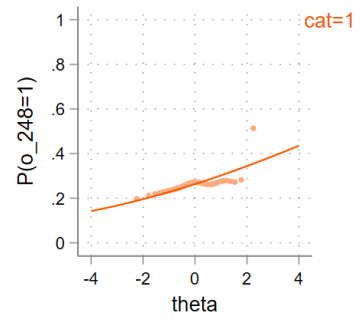
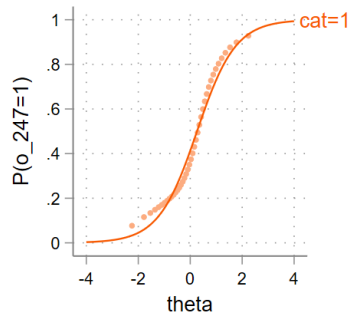
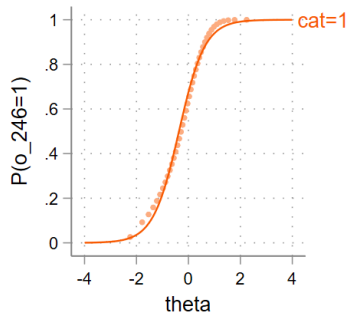
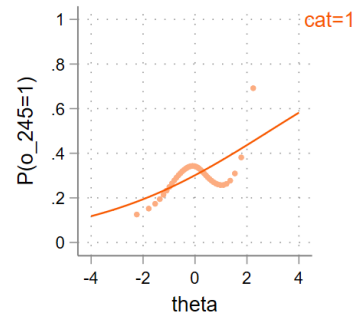
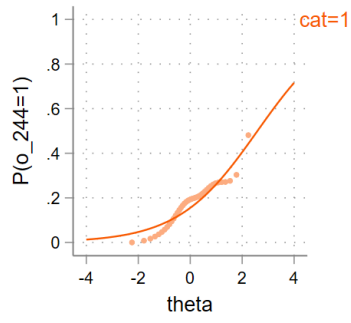
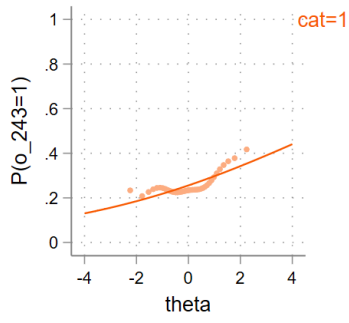
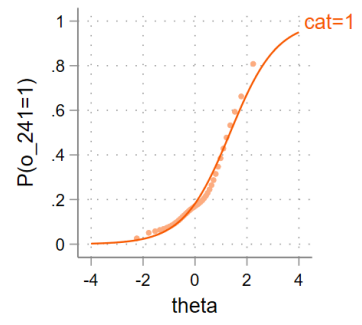
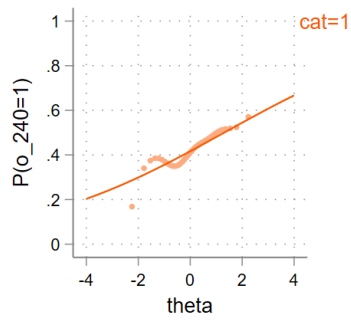
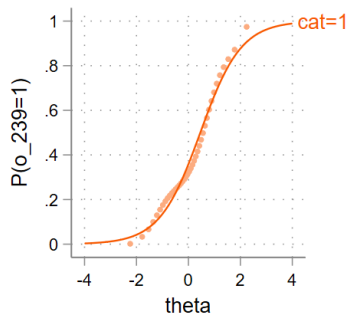




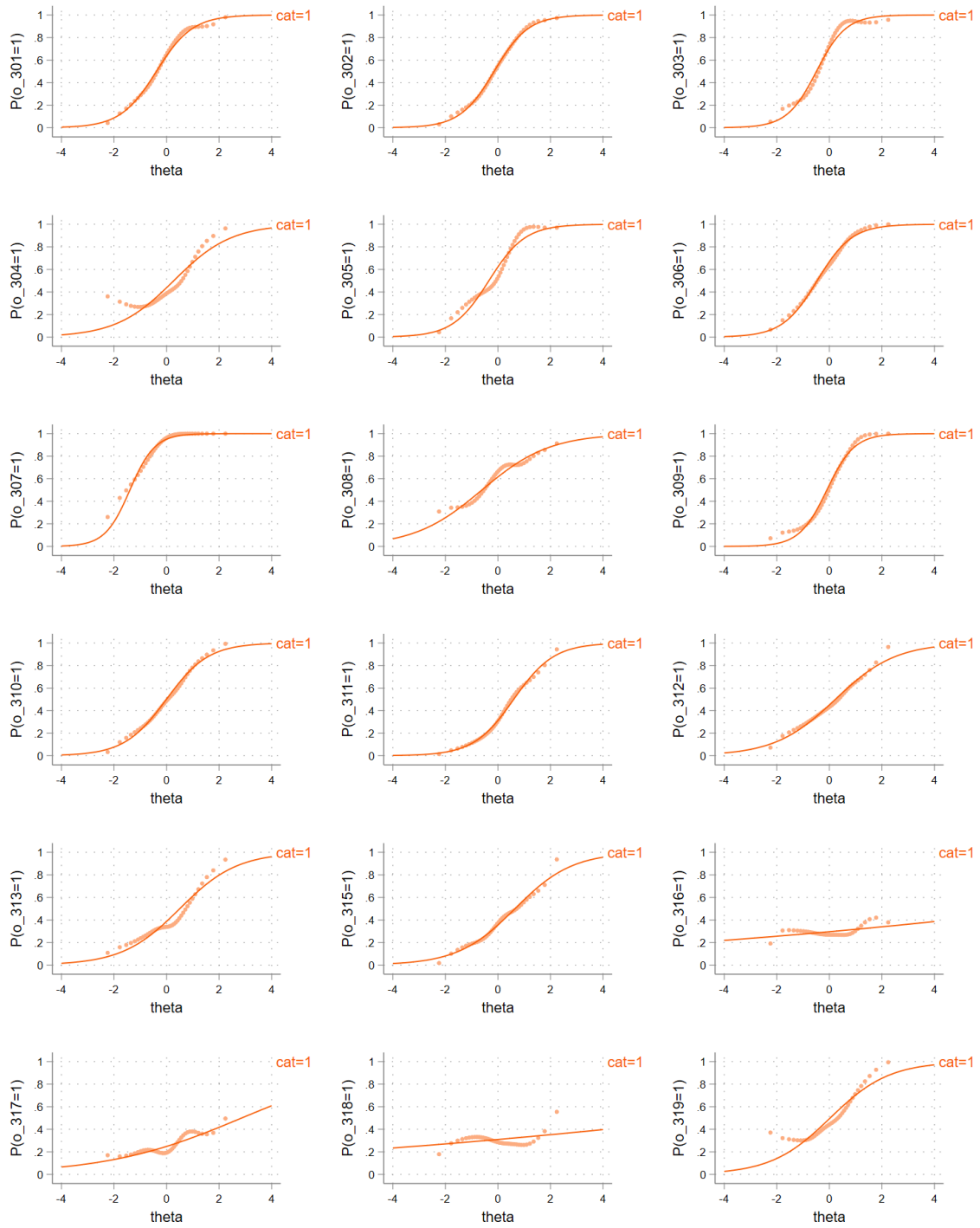
Exam Year 2012

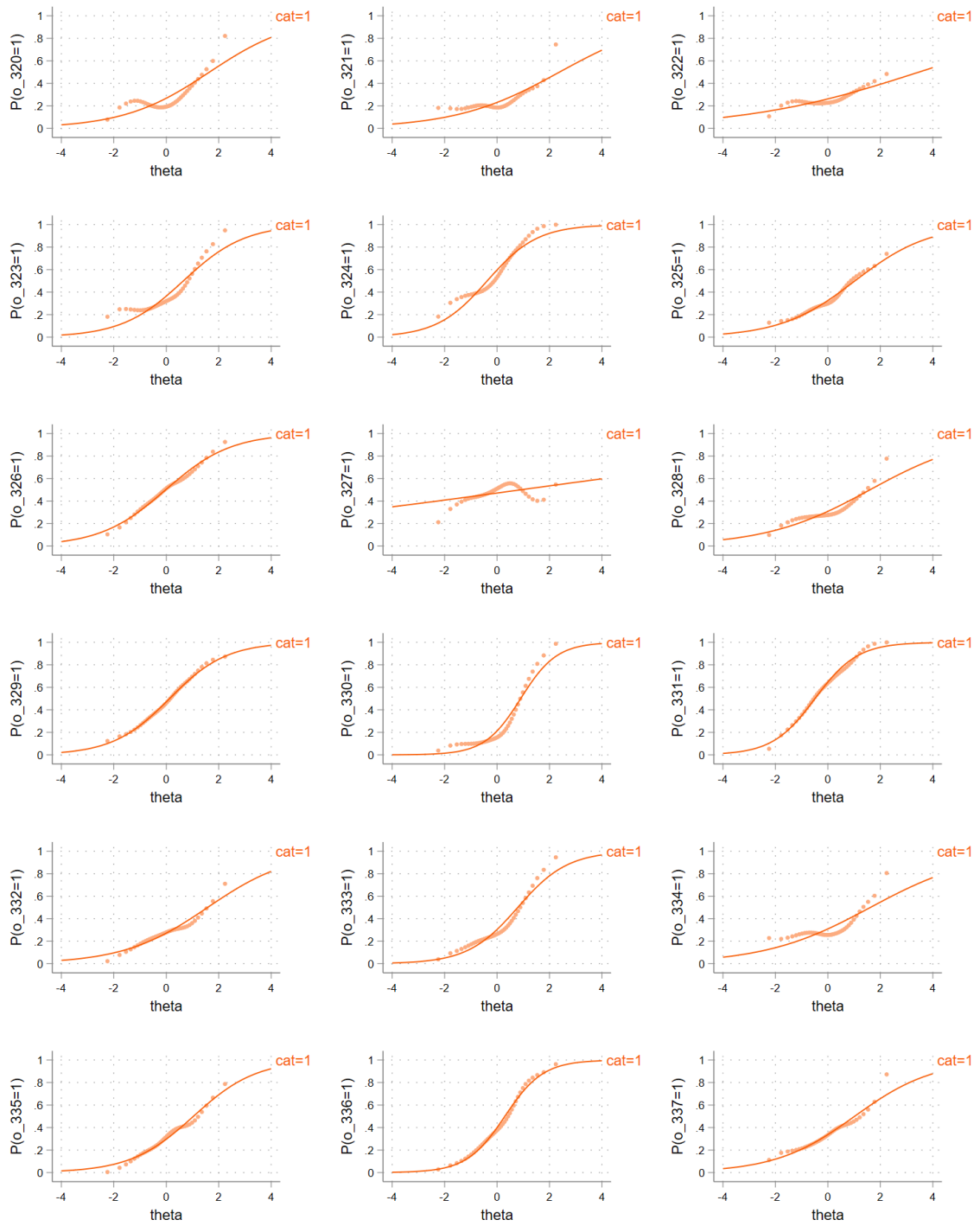




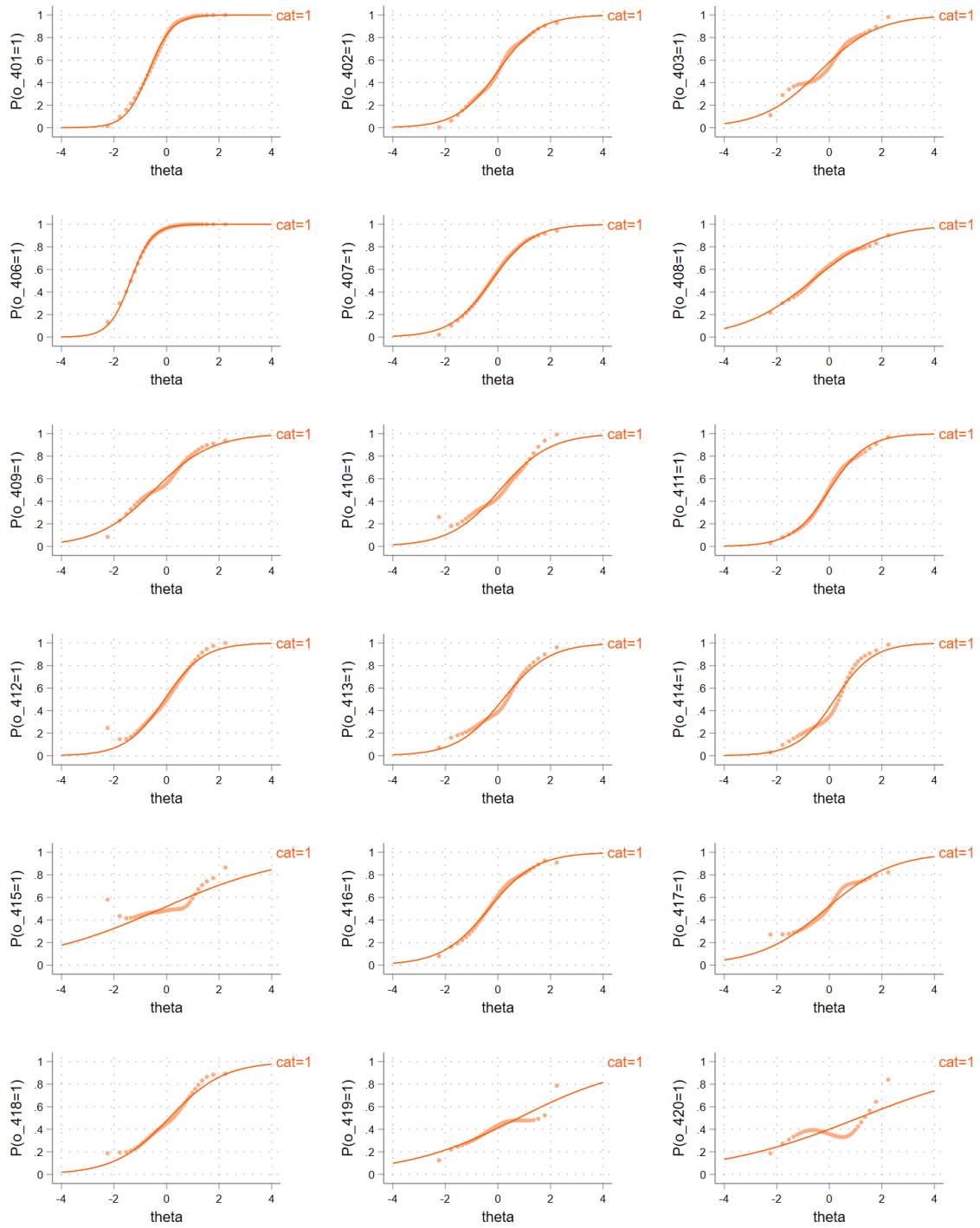


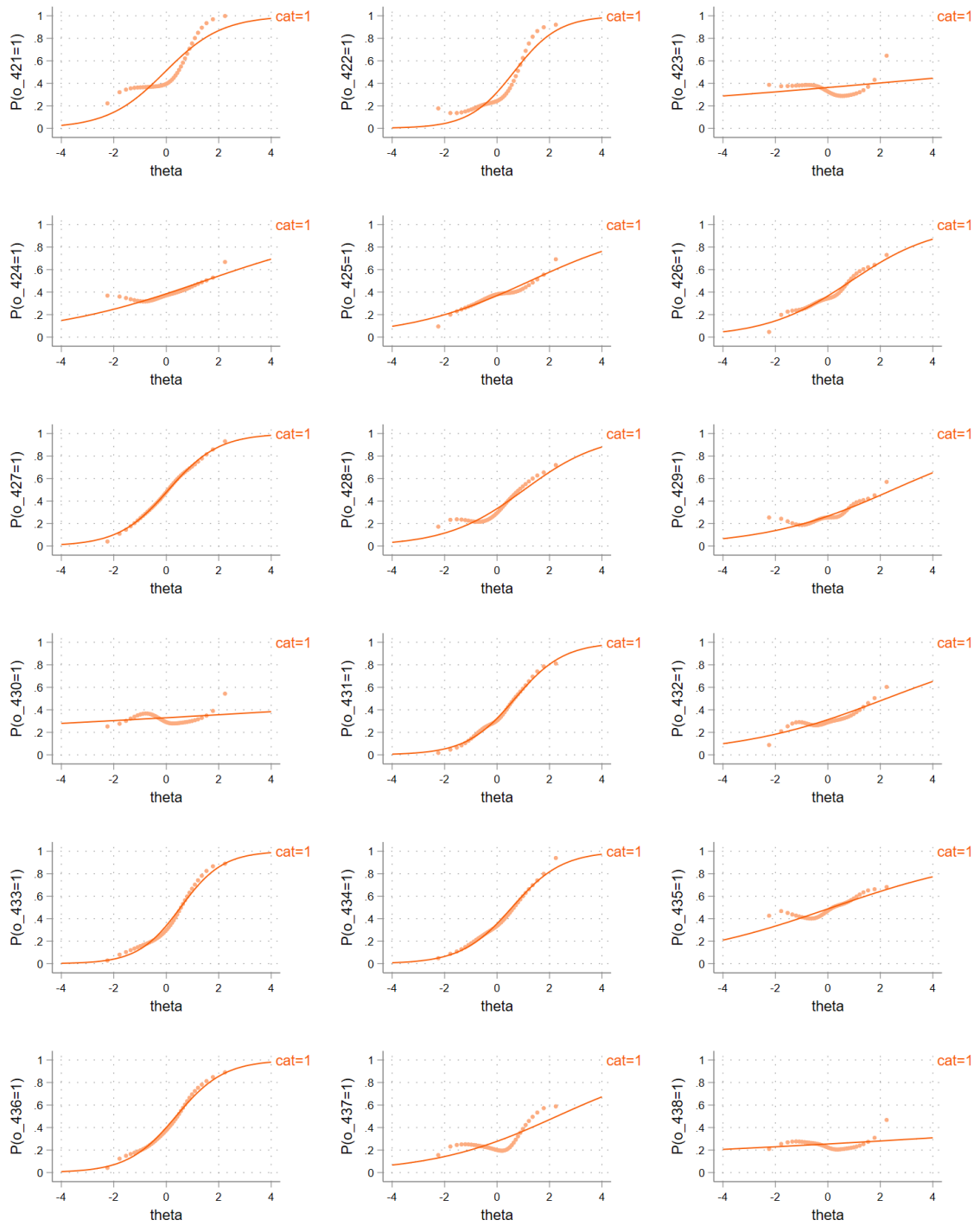
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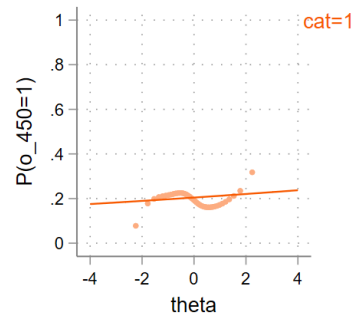
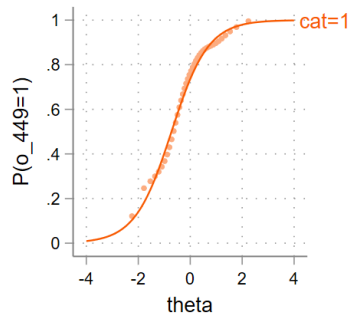
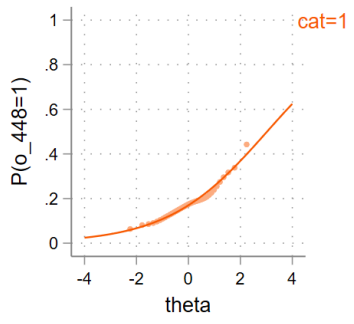
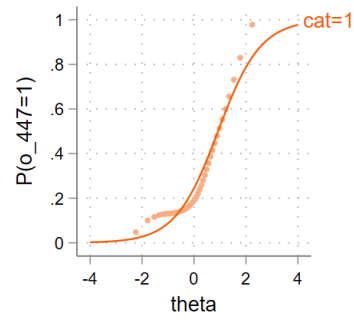
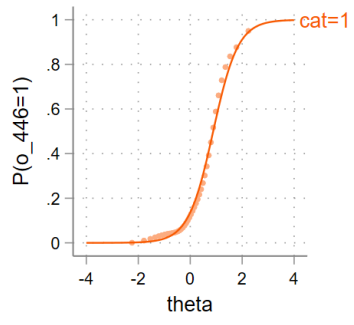
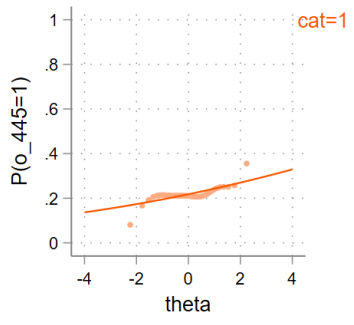
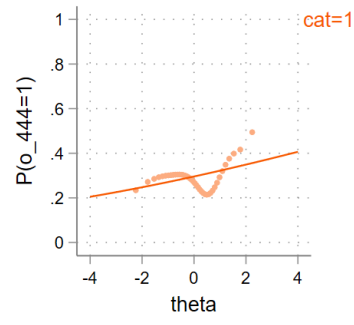
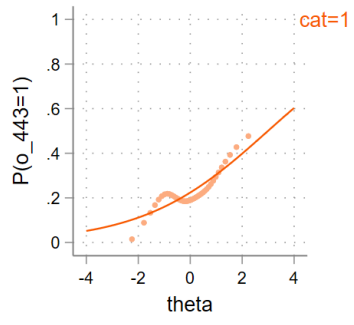
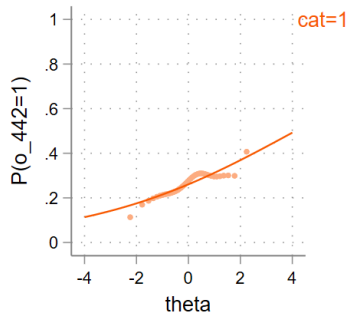
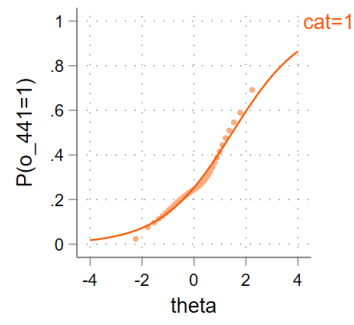
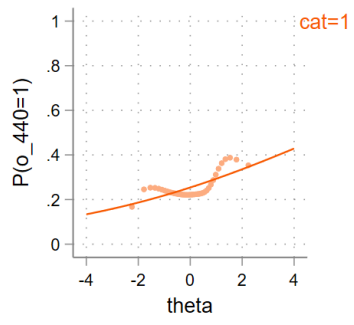
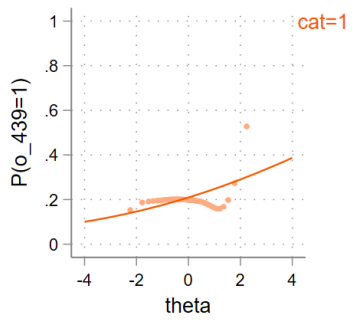




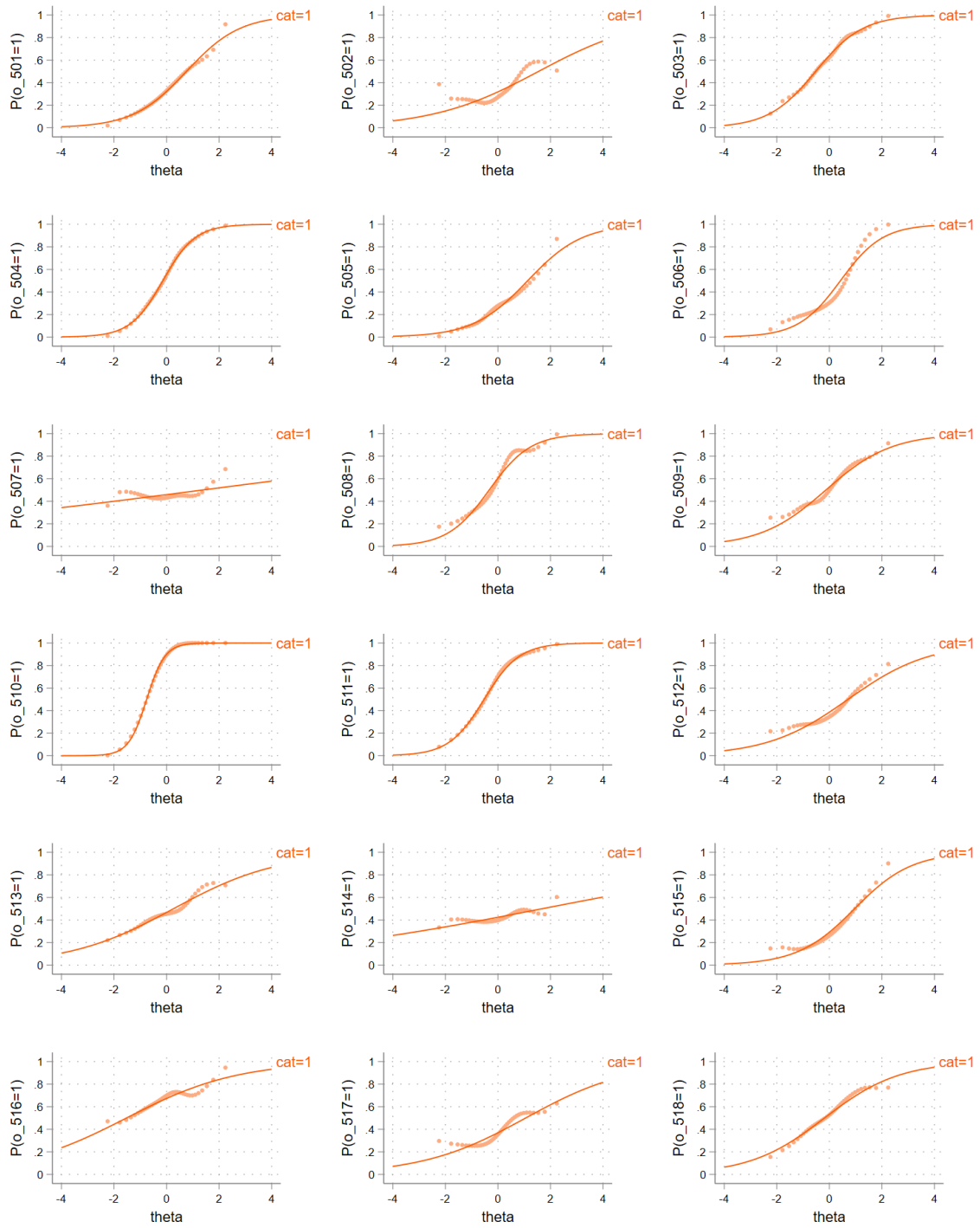
Exam Year 2014

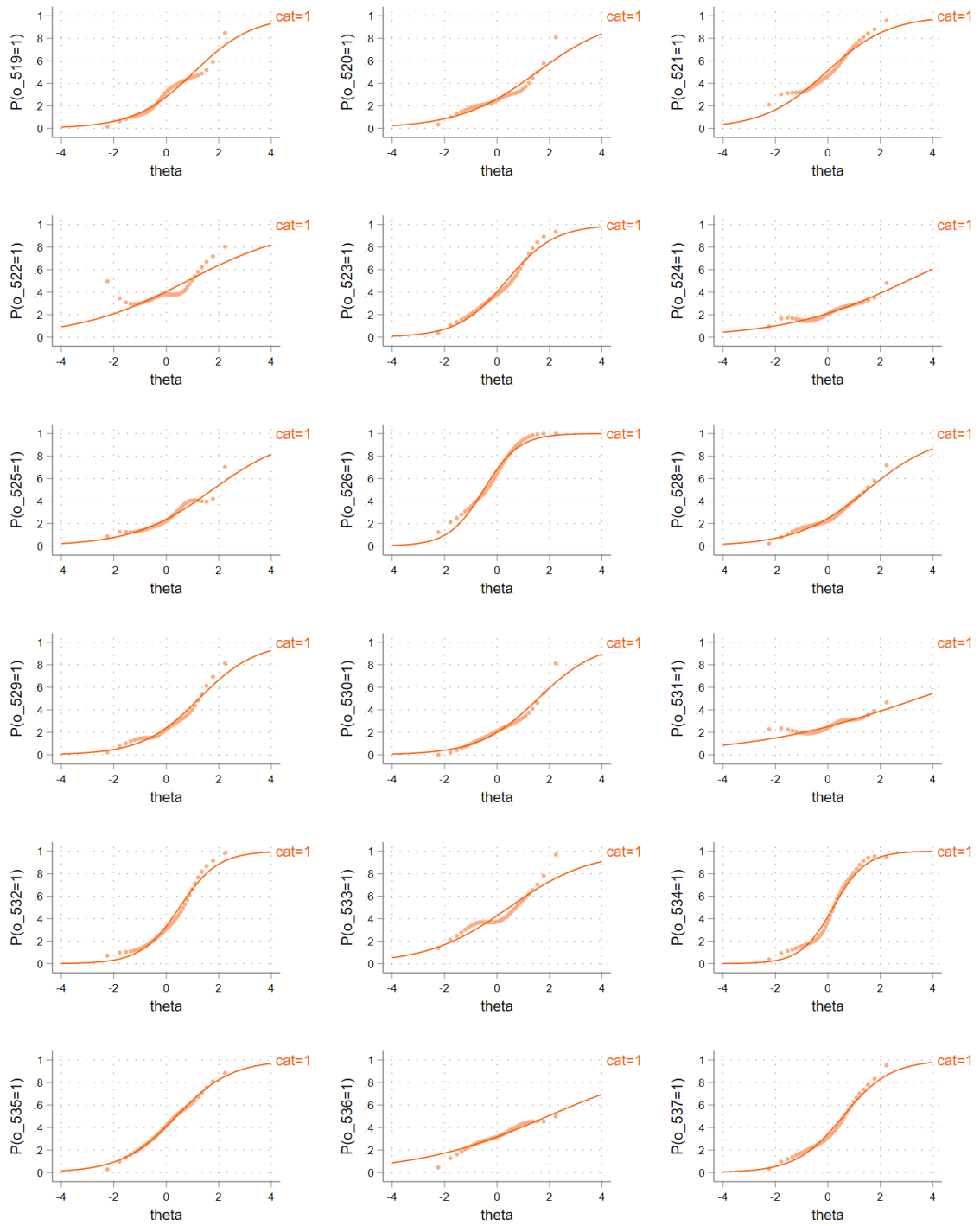


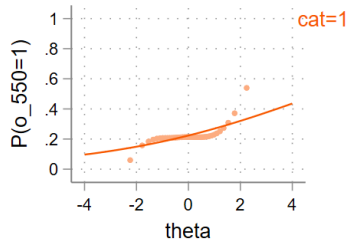
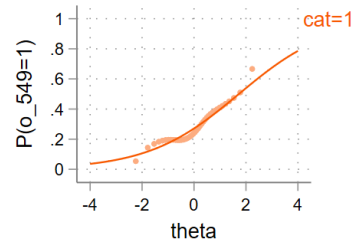
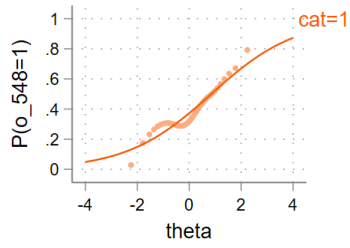
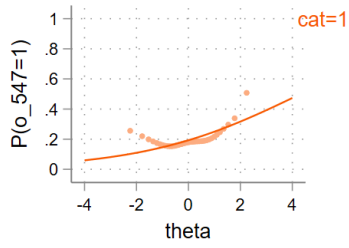
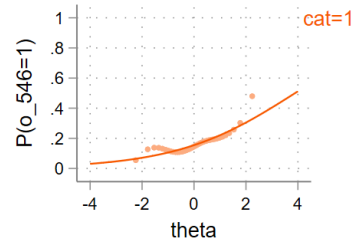
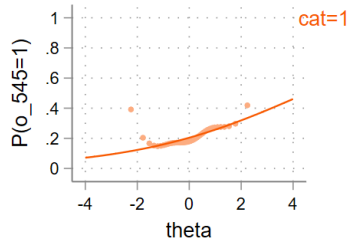
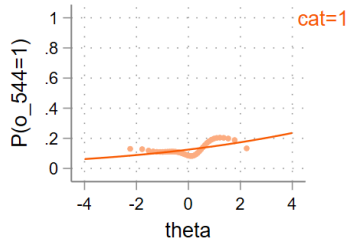
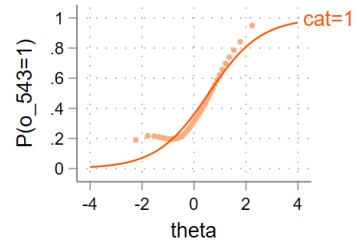
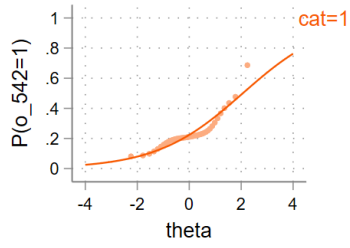
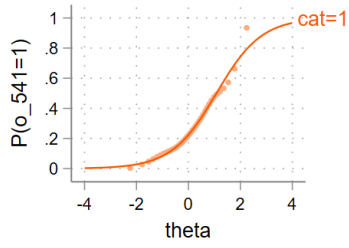
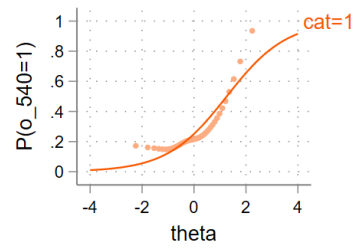
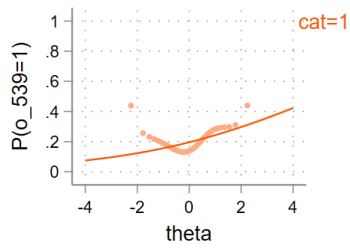
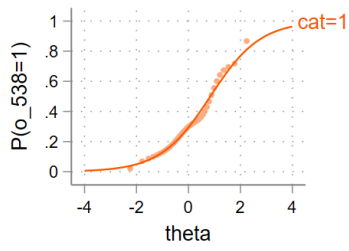




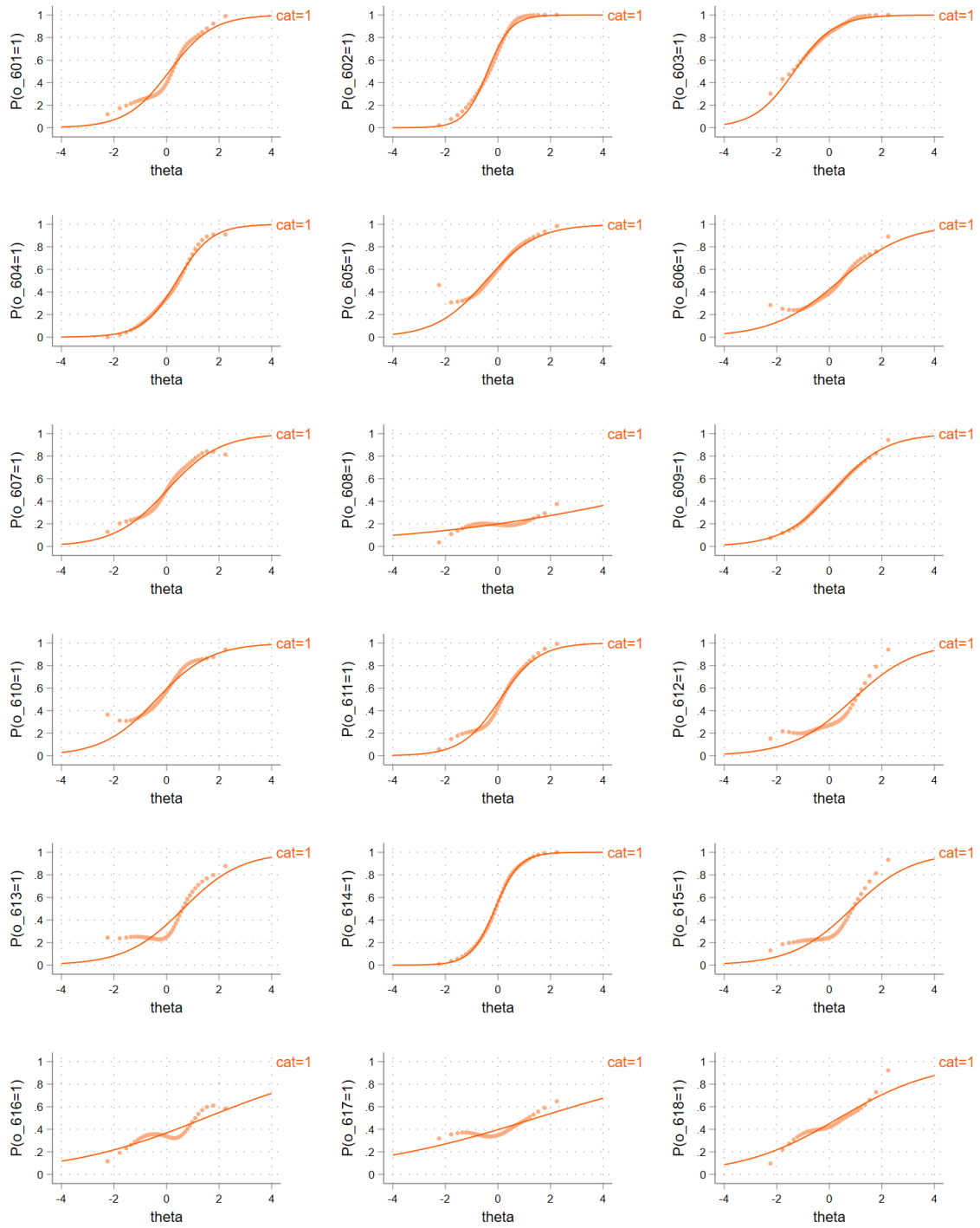
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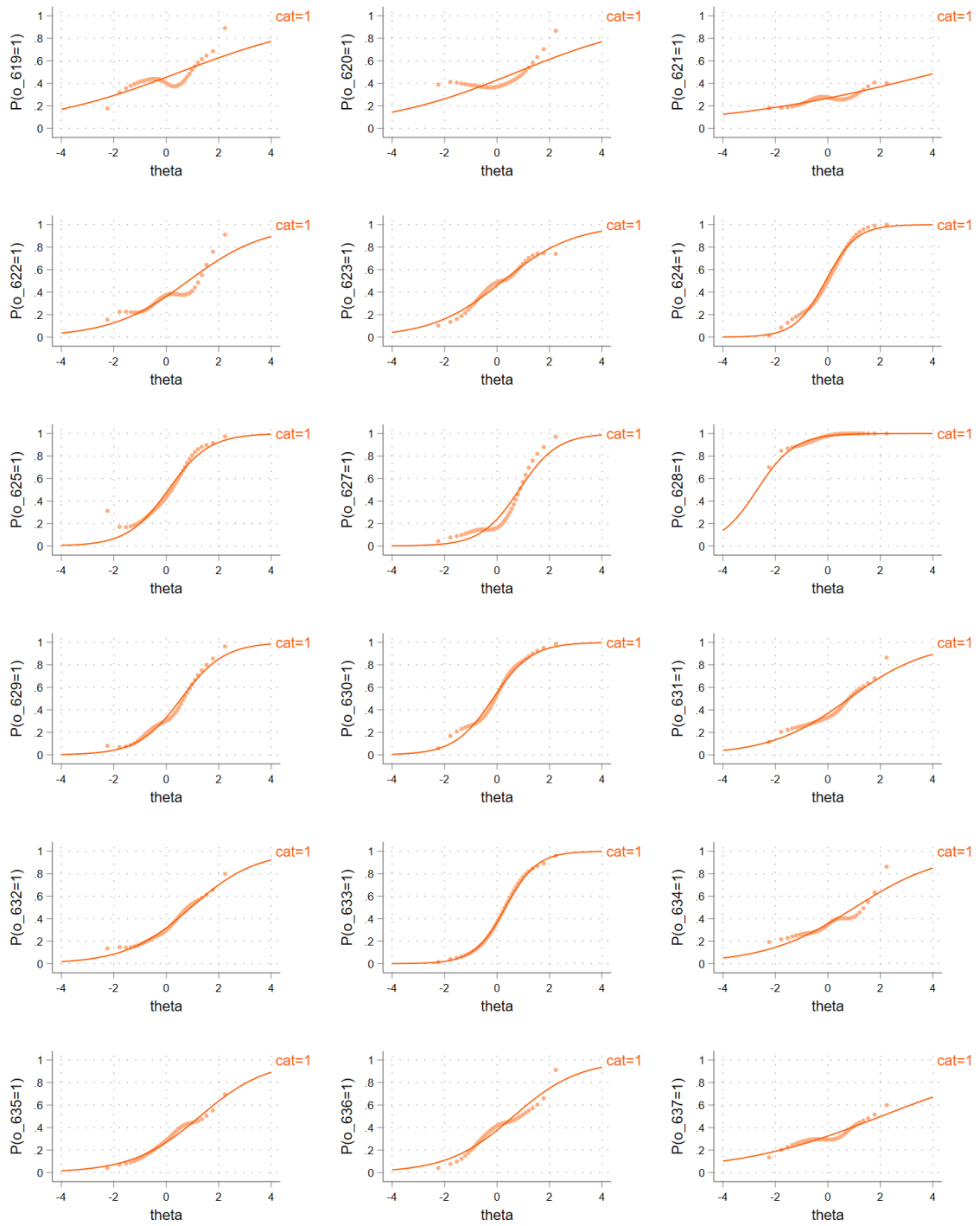




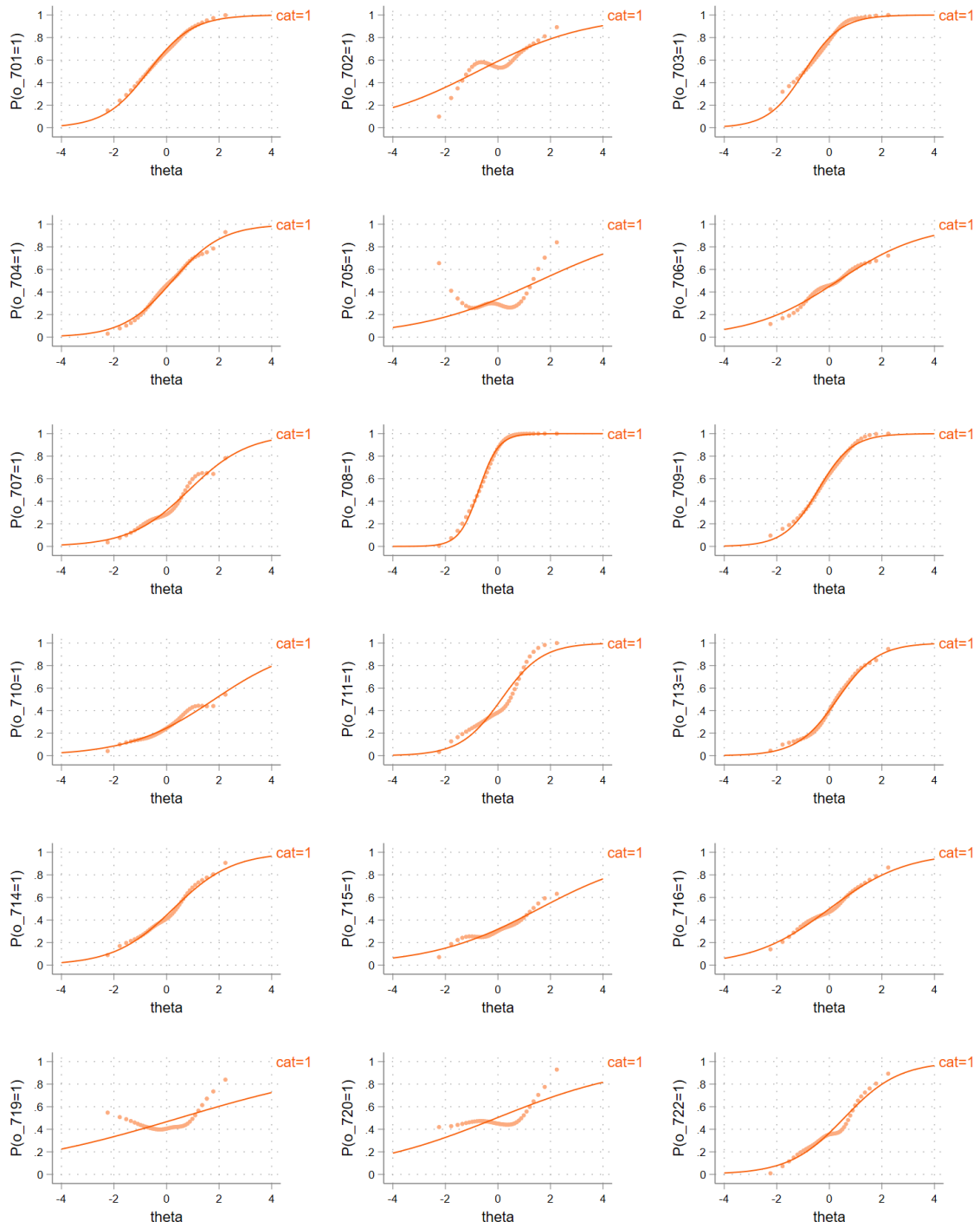


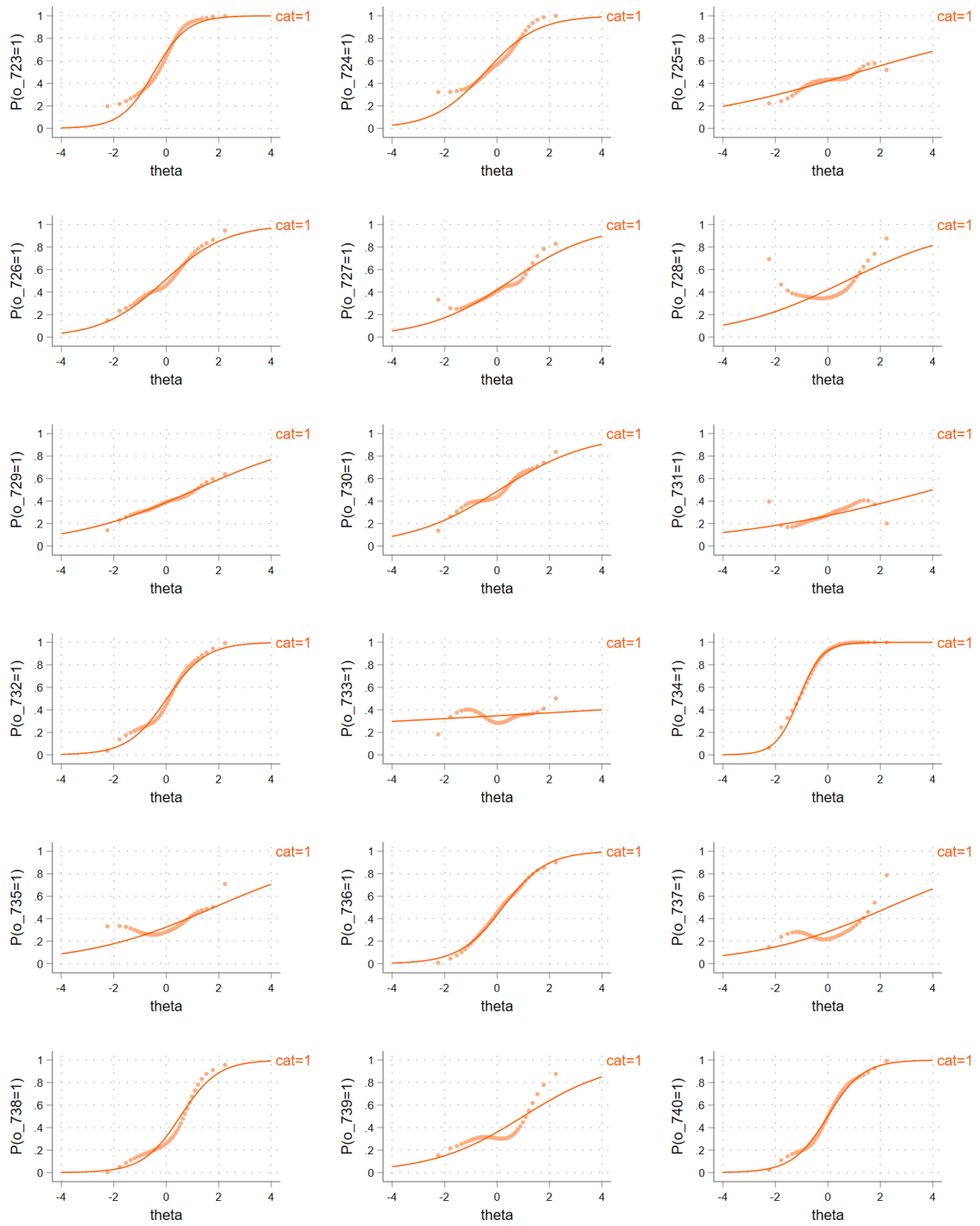
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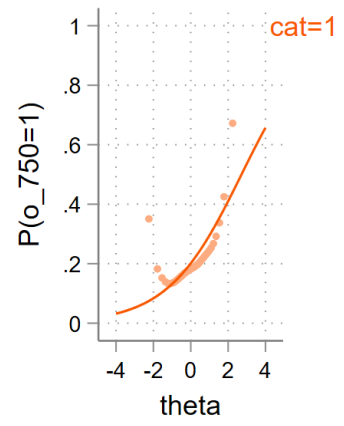
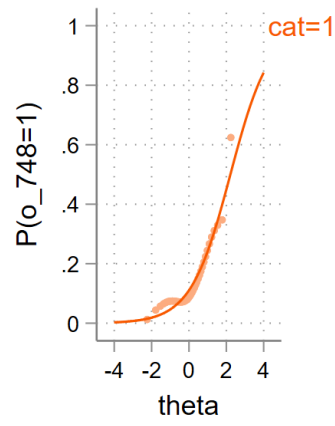
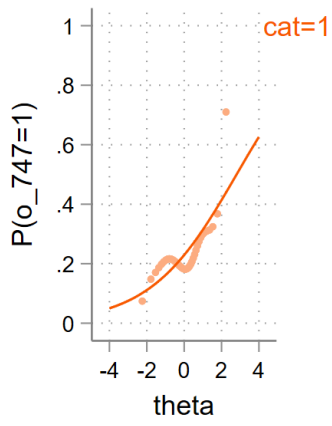
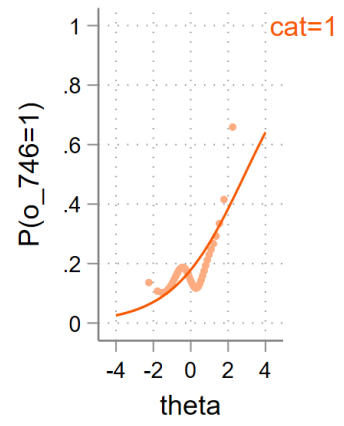
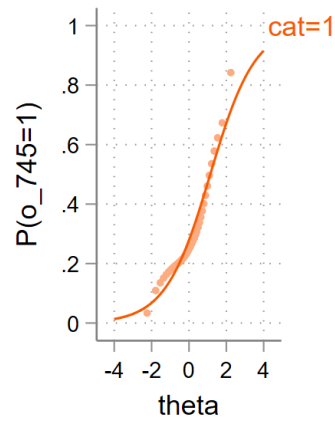
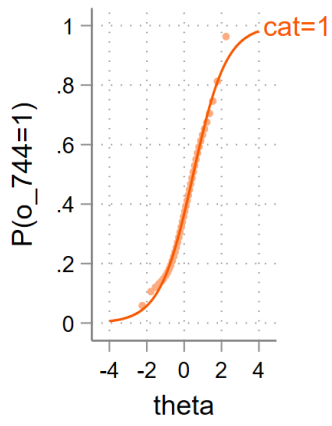
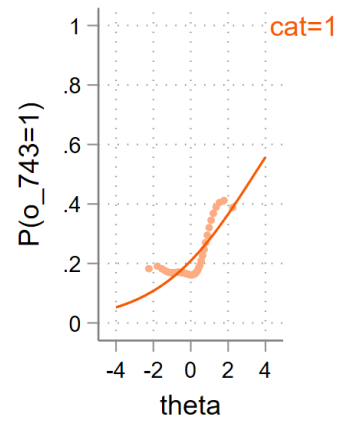
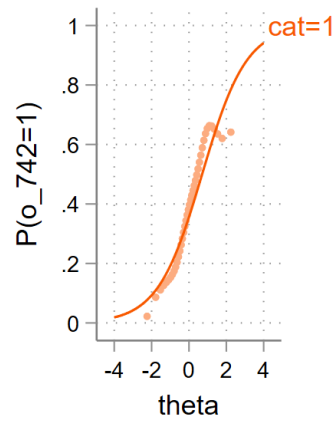
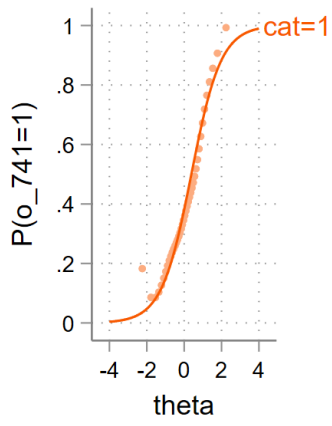




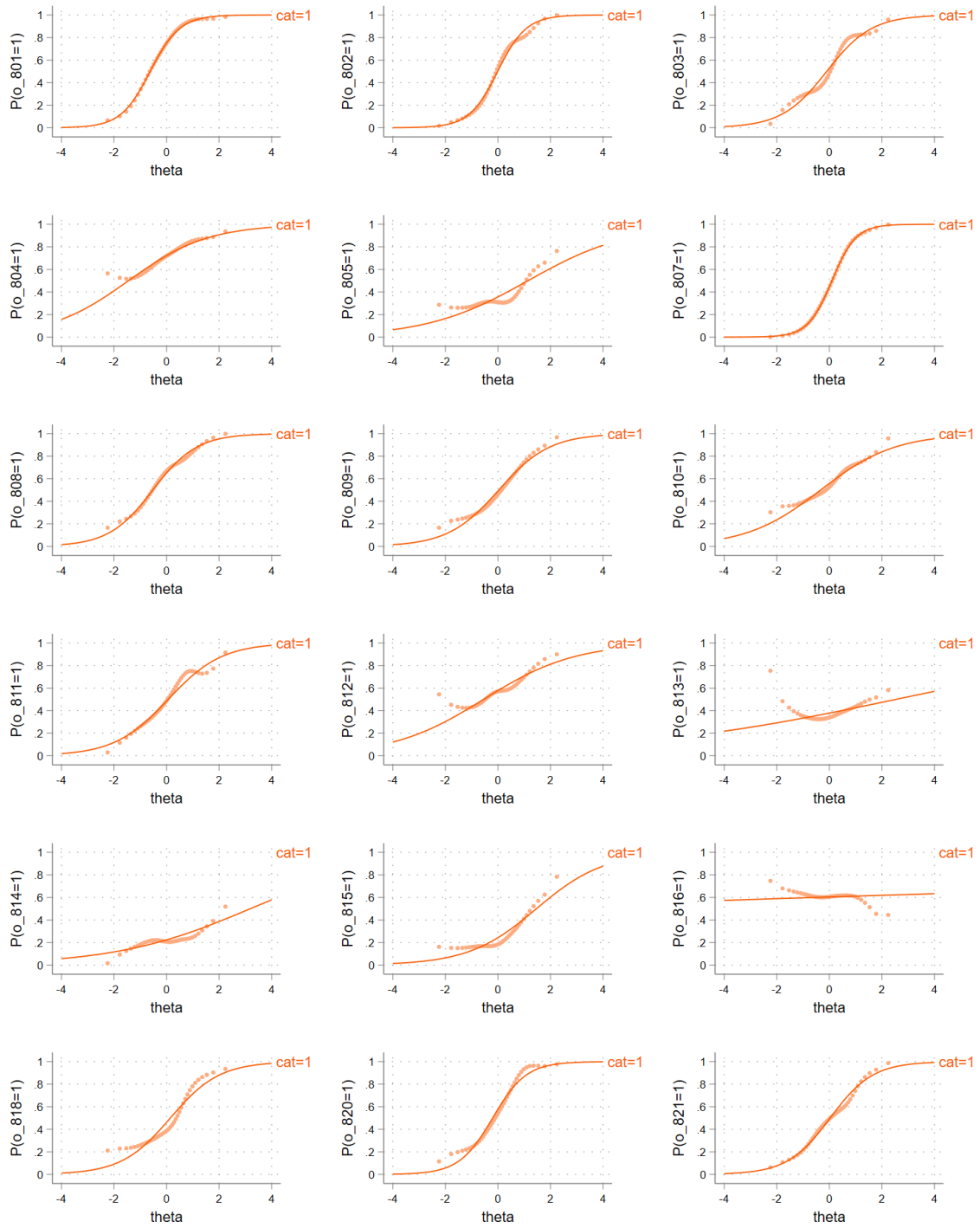
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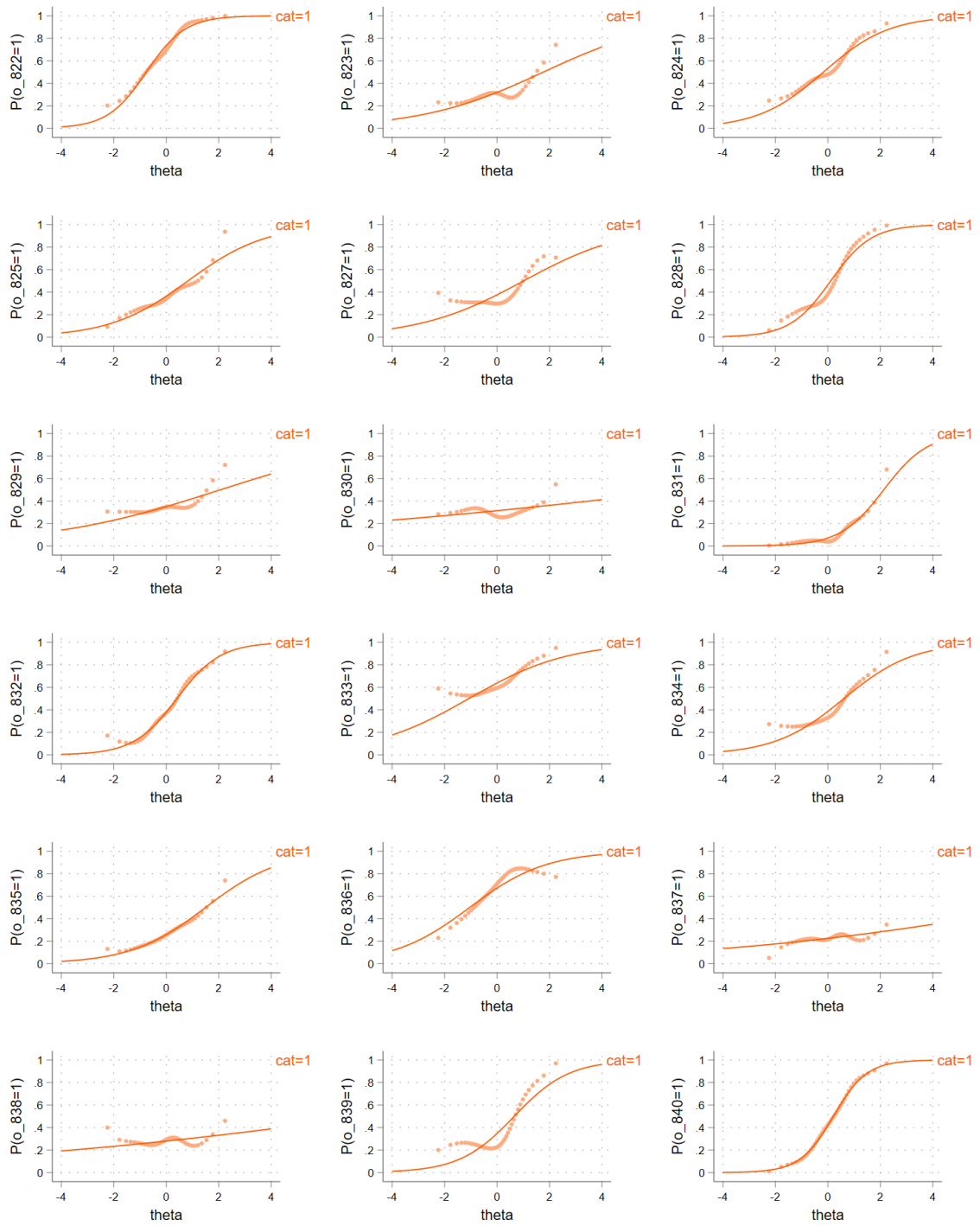


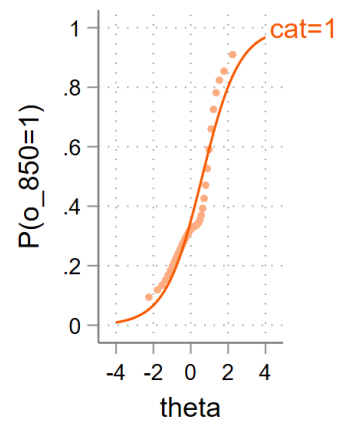
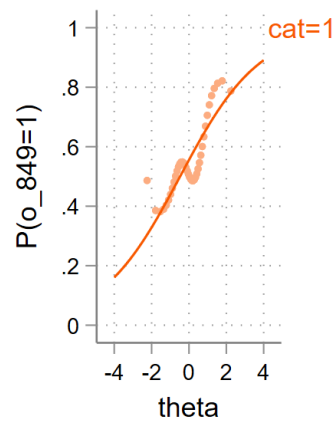
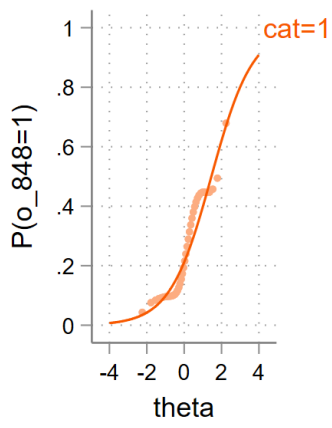
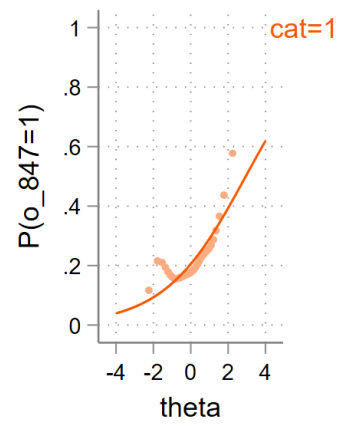
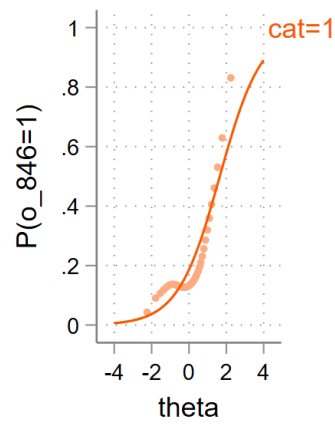
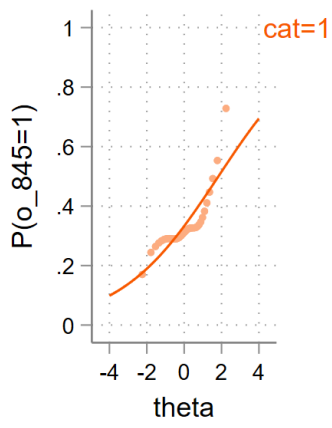
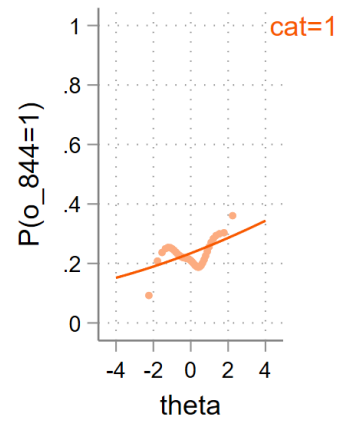
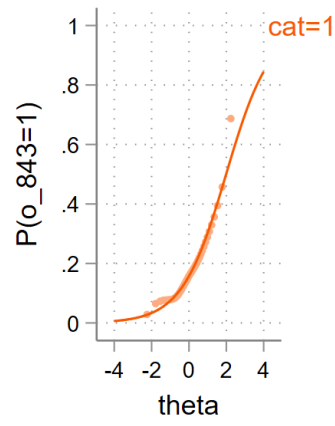
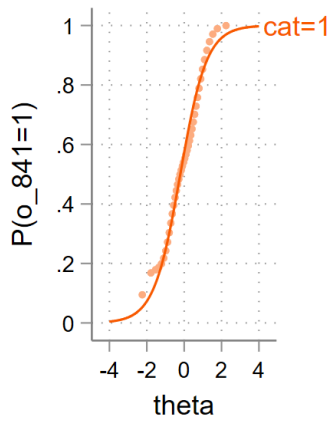




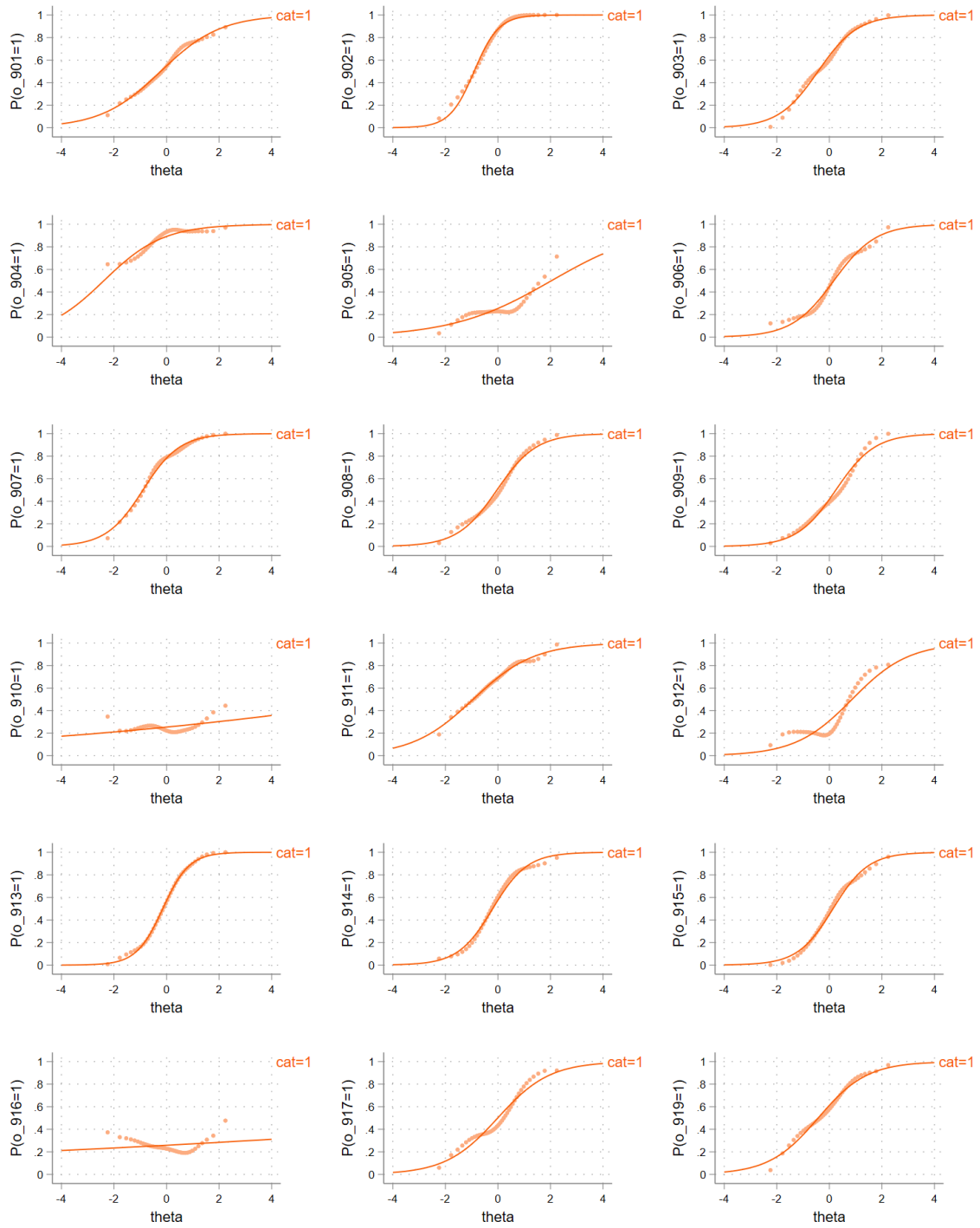
Exam Year 2018

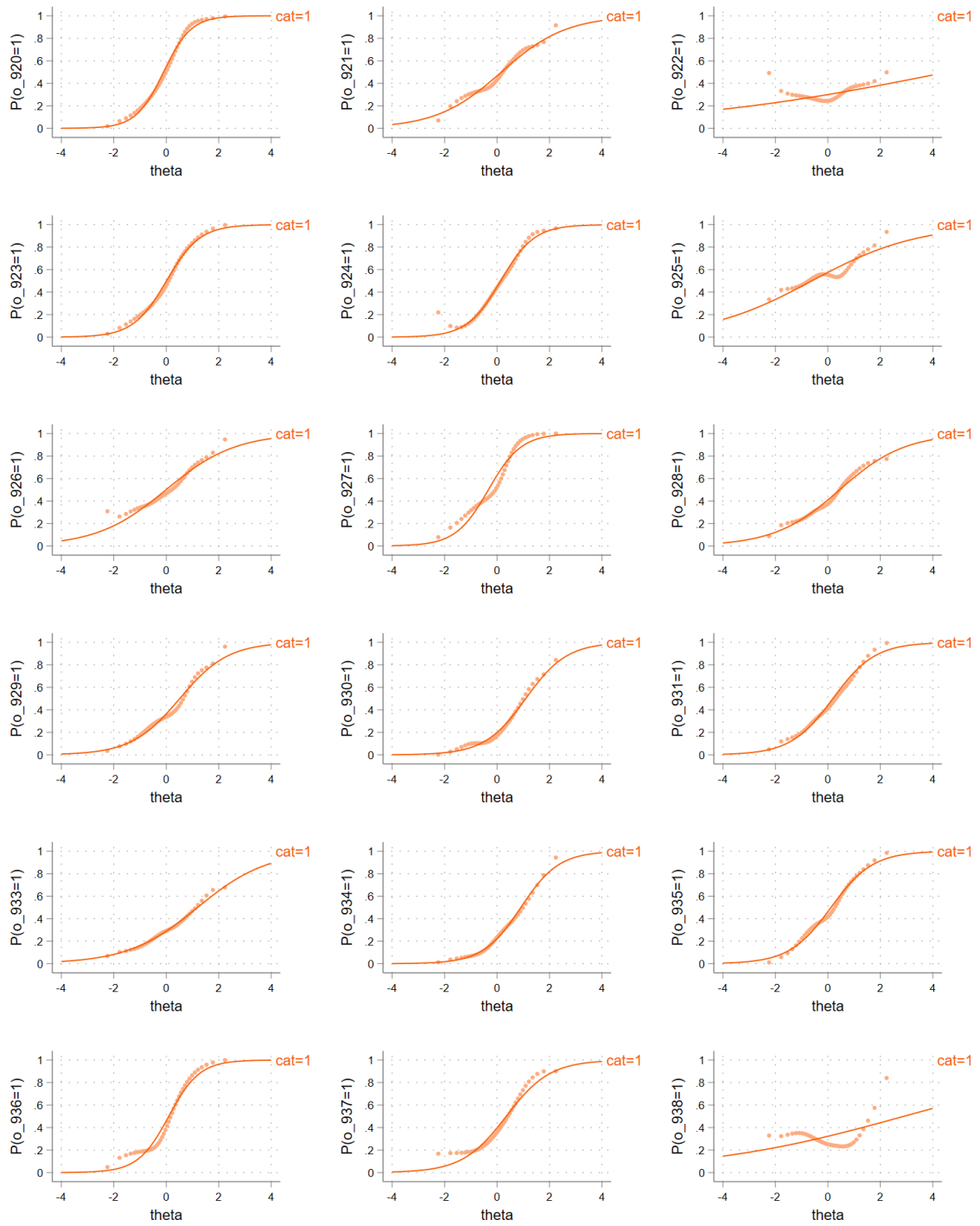


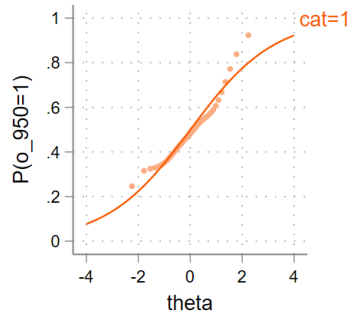
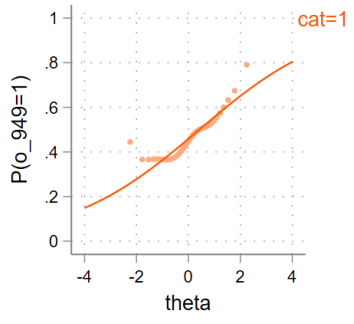
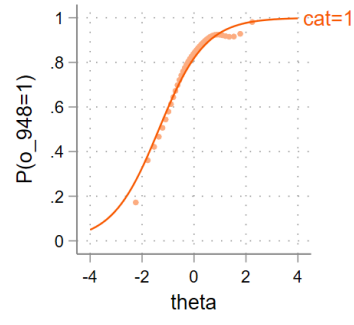
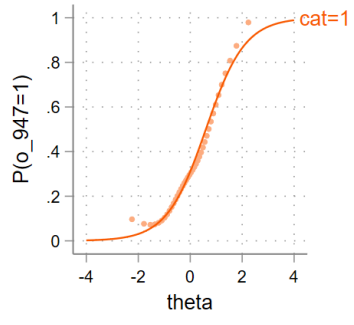
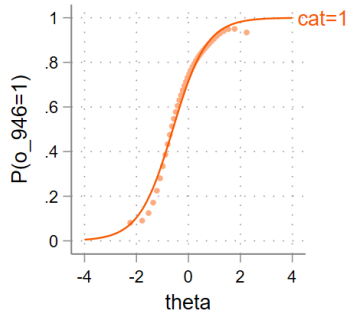
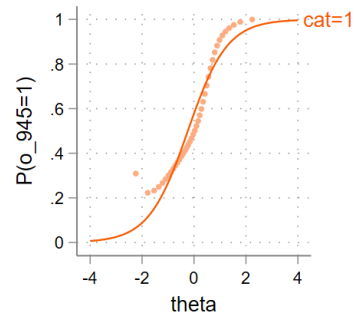
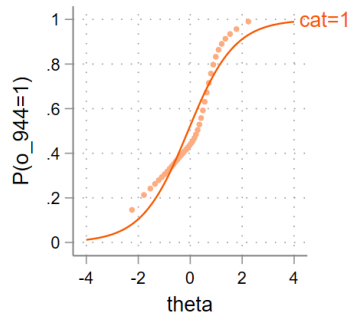
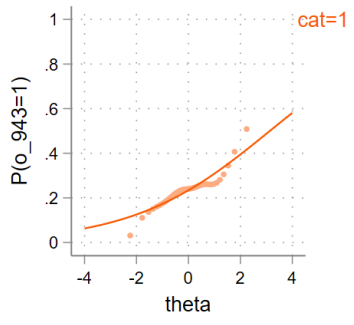
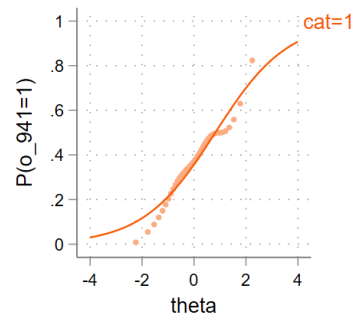
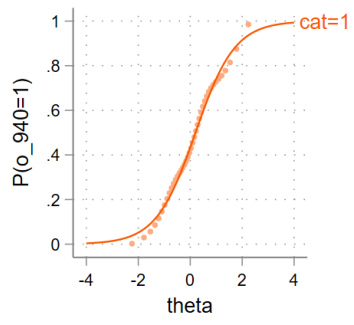
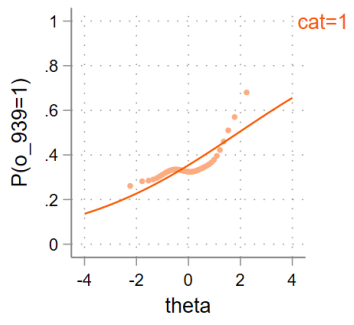




Exam Year 2019



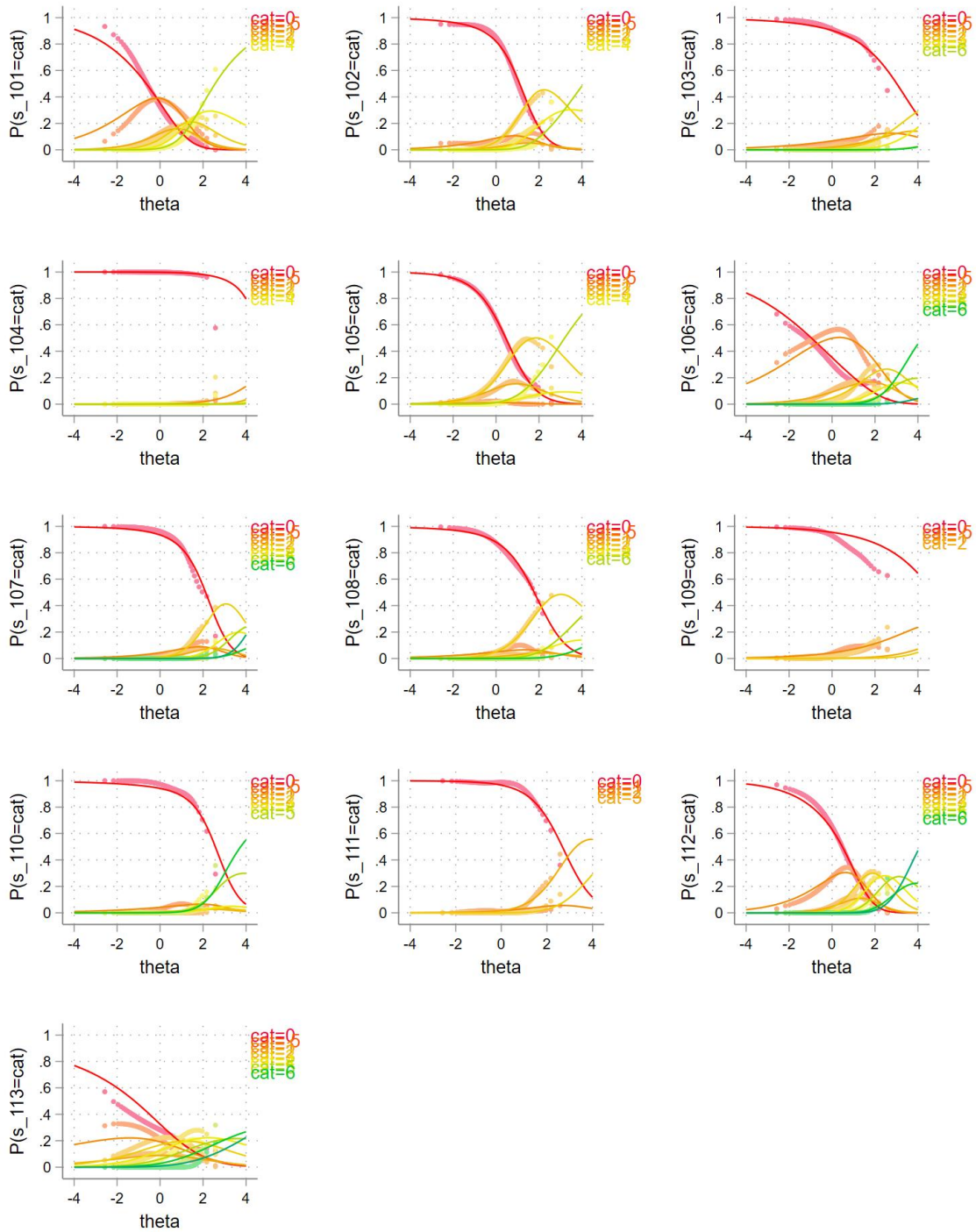




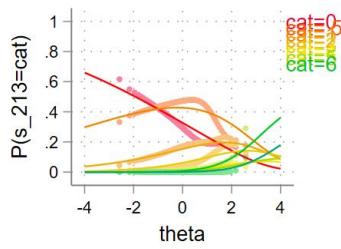
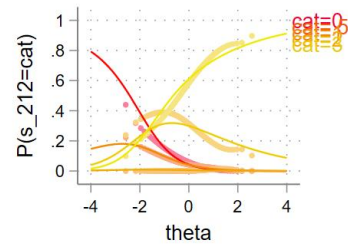
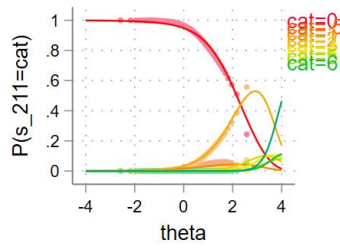
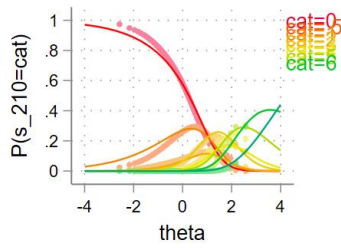
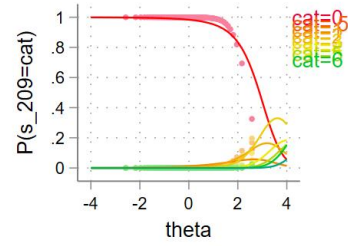
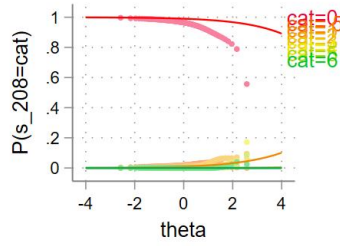
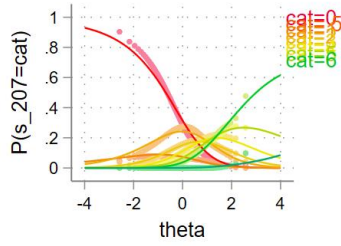
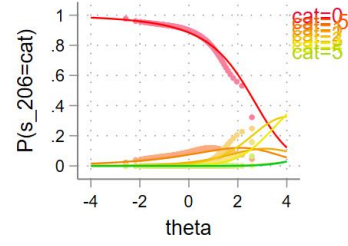
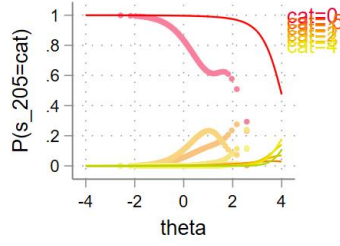
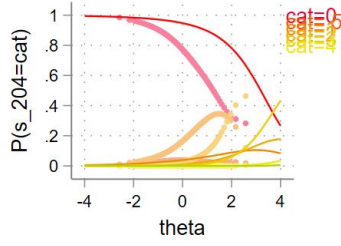
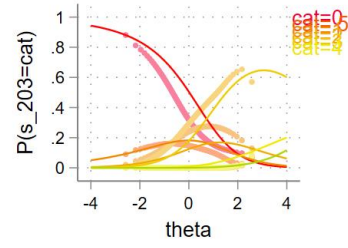
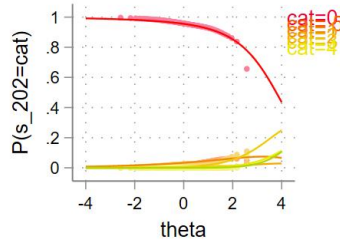
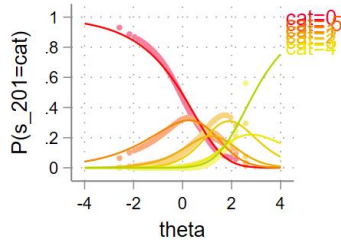
II. Item Characteristic Curves and Model Fit (Constructed-Response Items)

Note: items are numbered on y-axis label. For instance, s_105 is subjective item from exam year 2011, (s_105) with item location 5 (s_105).

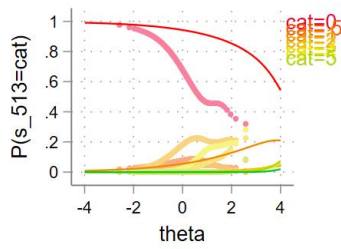
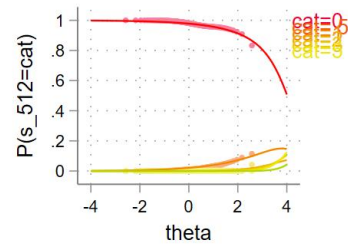
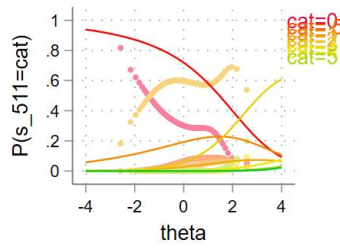
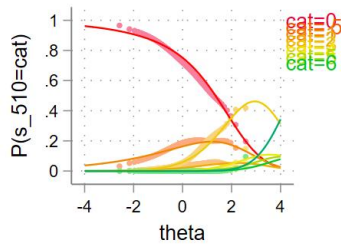
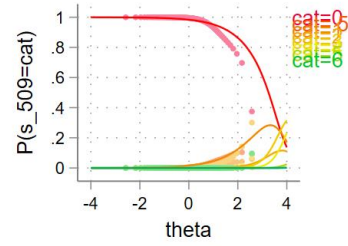
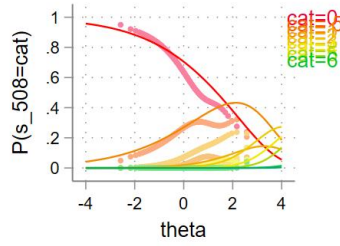
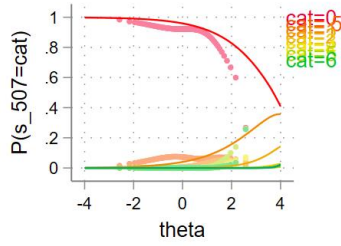
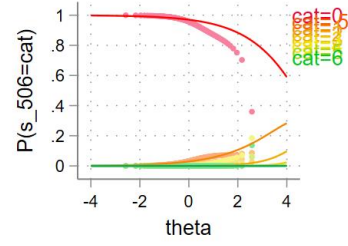
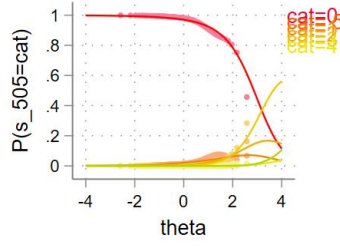
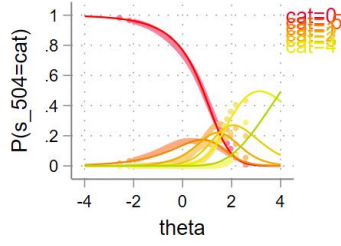
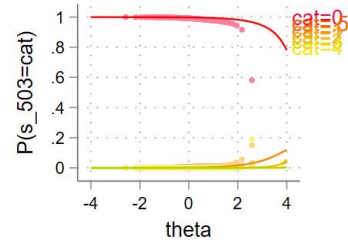
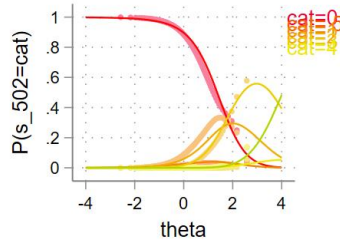
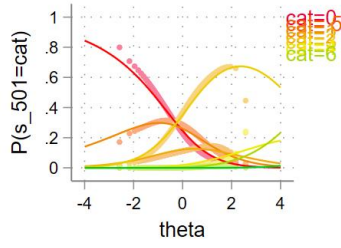
Exam Year 2011



Exam Year 2012



Exam Year 2015



Exam Year 2018

