



## **Online Appendix to “Do High-Stakes Exams Promote Consistent Educational Standards?”**

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## A Appendix A

### A.1 Demographics

Table 3: Student and school demographics

	Our Sample (1)	All of Ghana* (2)
<i>Panel A: Student characteristics</i>		
Age	17.76	19.32
Male	38.42	50.02
<i>Panel B: School characteristics</i>		
Category A	9	55
Category B	11	220
Category C	9	370

\*According to 2018 WASSCE data

### A.2 Exam construction

Table 4 shows the total marks available for each year, which amount to 186 marks: 50 marks from objective-type problems and 136 marks from subjective-type. We also show the marks that are omitted from analysis though the only year that is meaningfully affected is 2018.

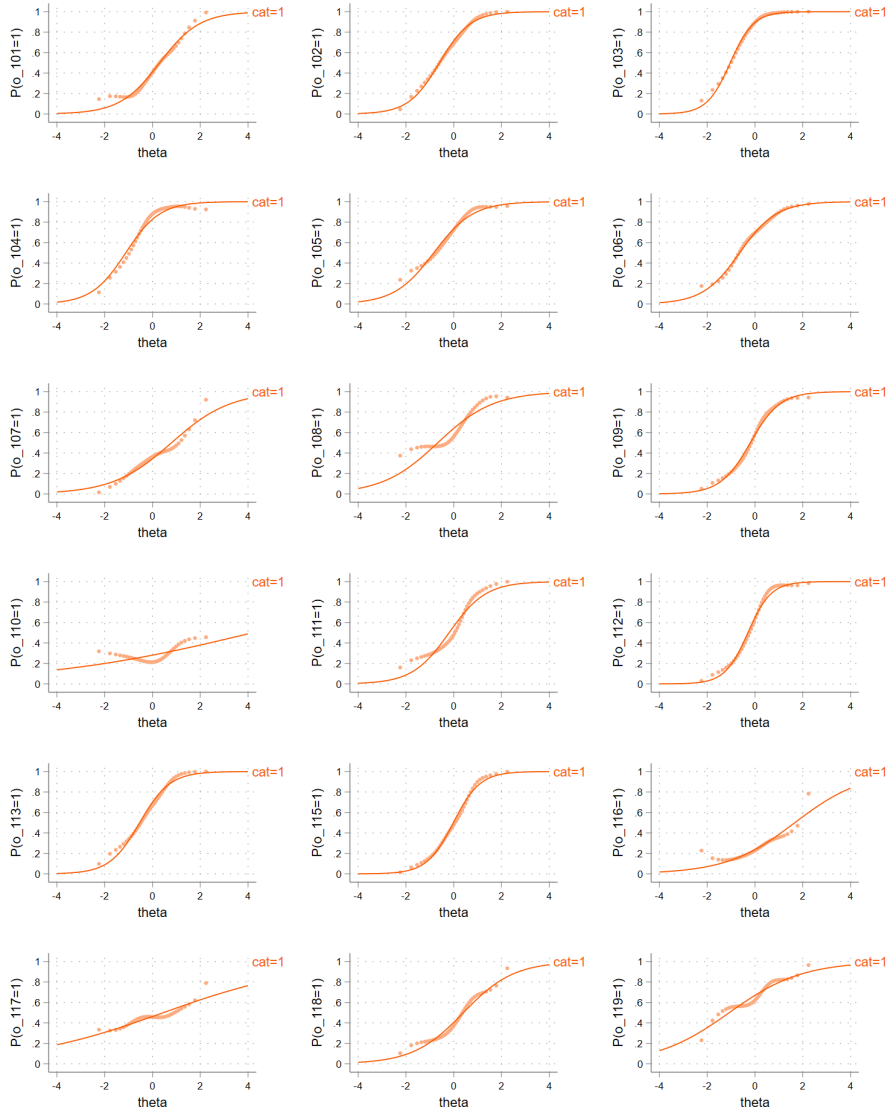
	2011	2012	2013	2014	2015	2016	2017	2018	2019
Marks available	186	186	186	186	186	186	186	186	186
Marks omitted	10	8	0	2	5	3	2	24	2
Percent omitted	5	4	0	1	3	2	1	13	1

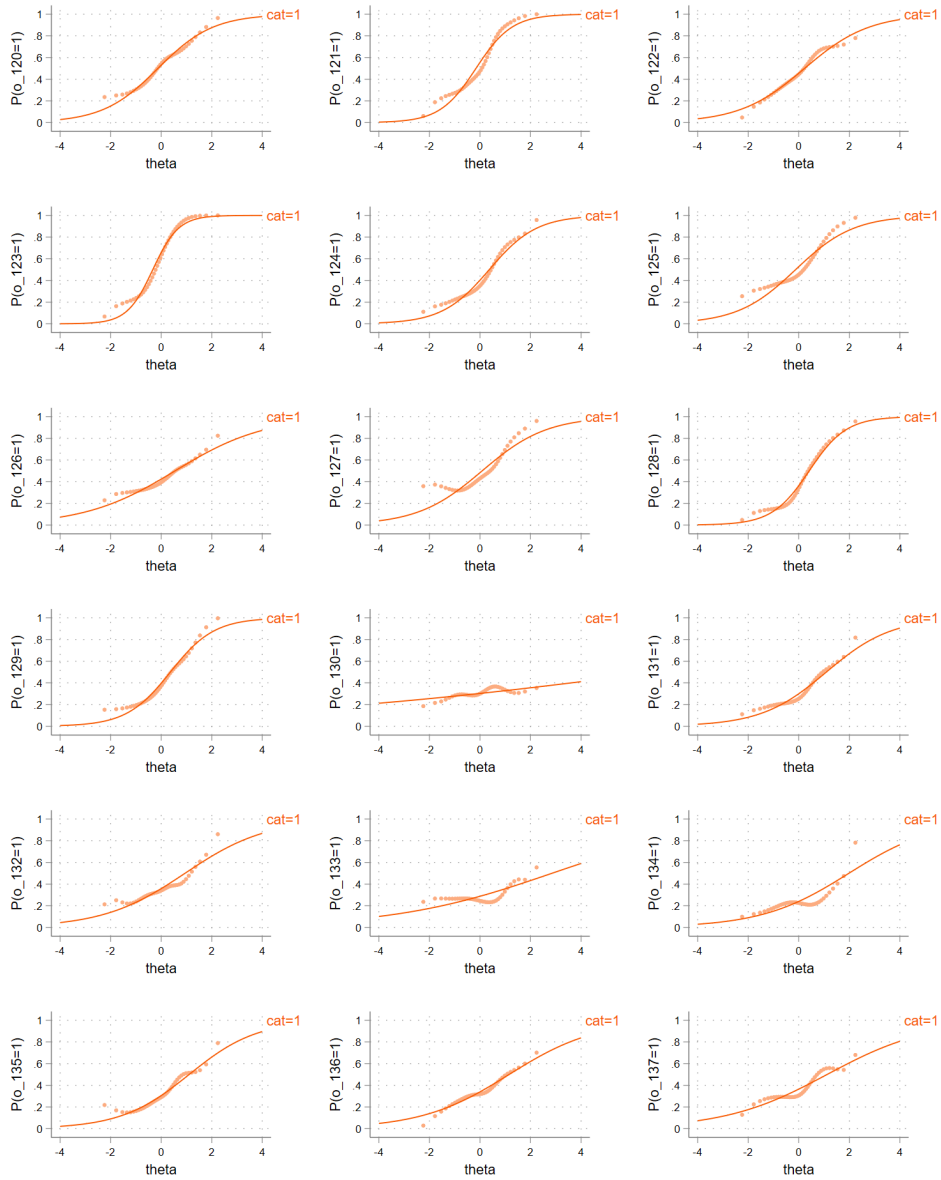
Table 4: Total marks per year

## B Appendix B

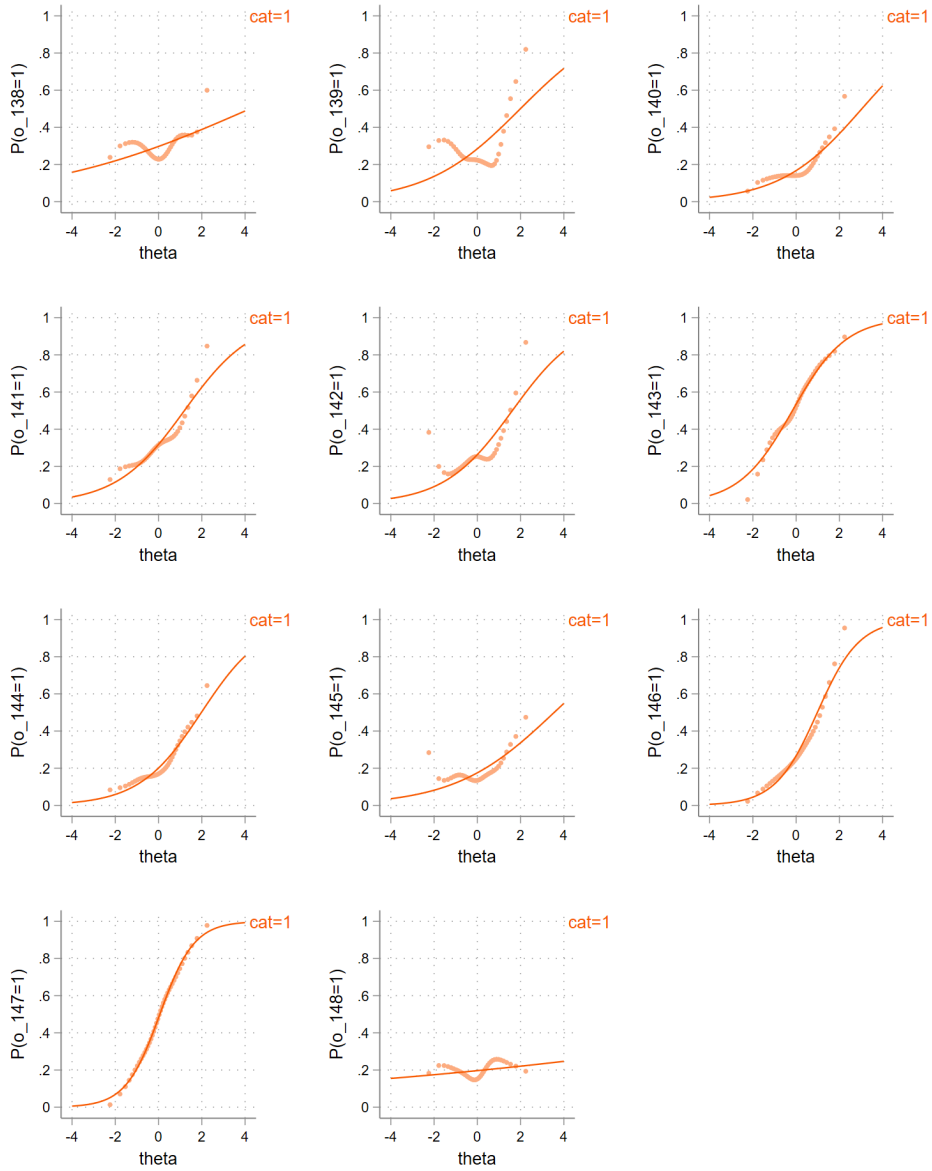
### B.1 Item Characteristic Curves and Model Fit (Multiple-Choice)

Exam year 2011

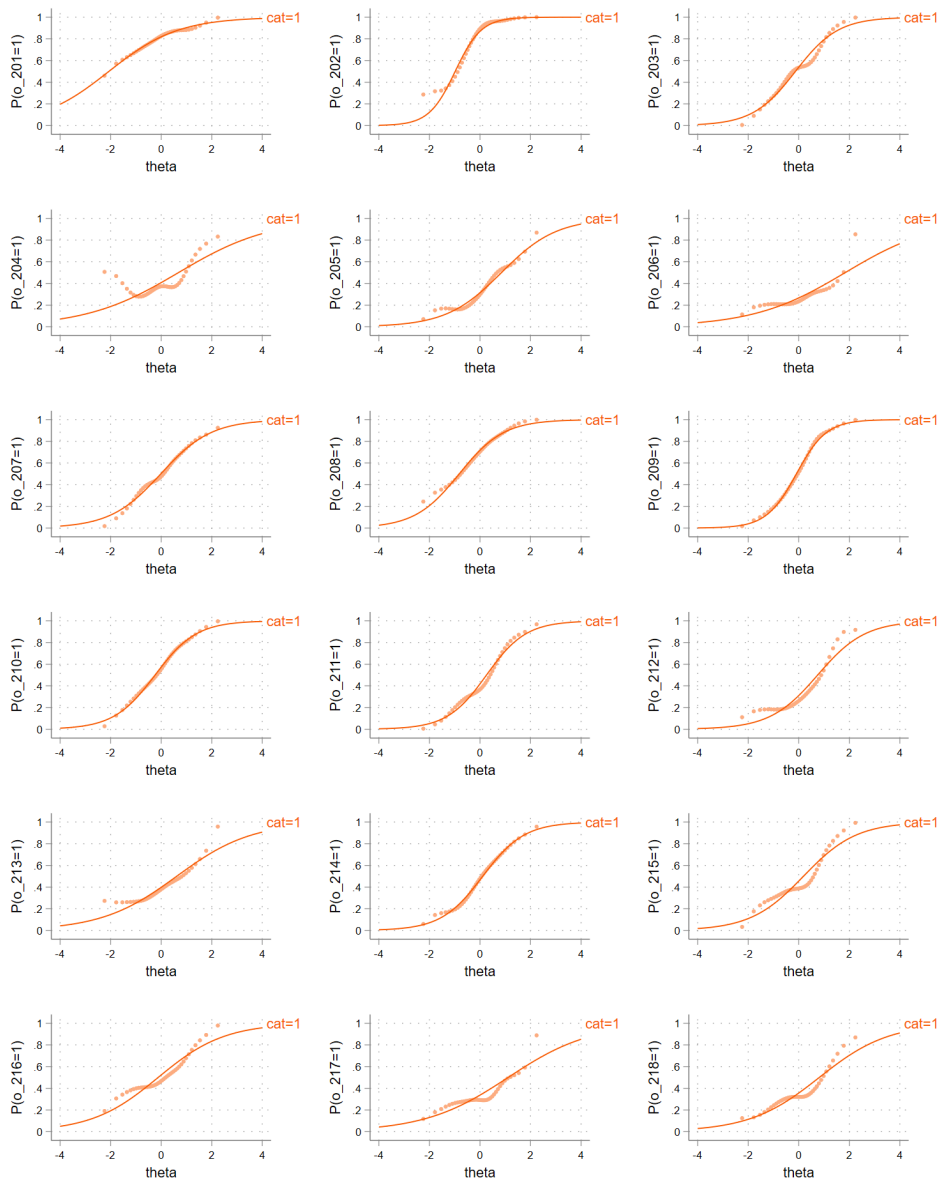


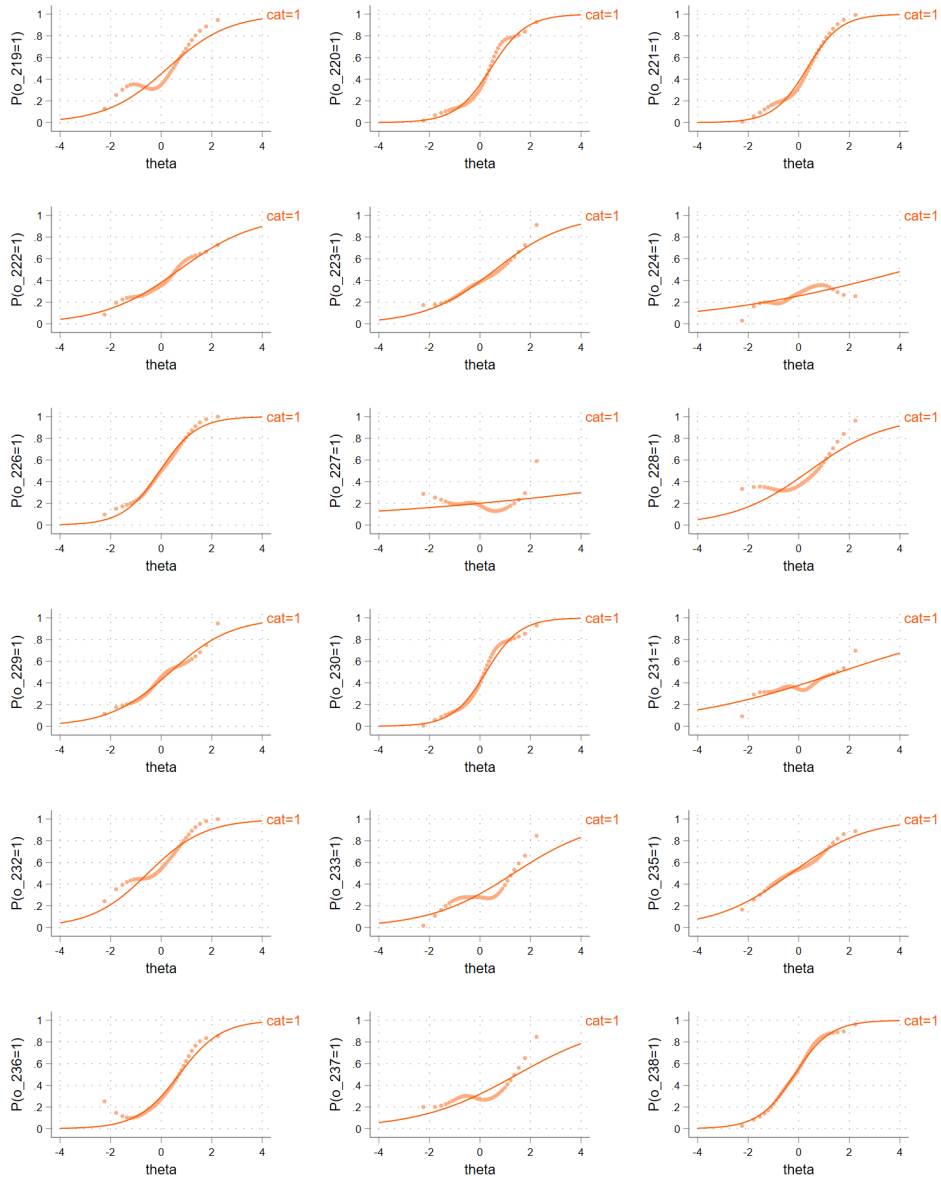


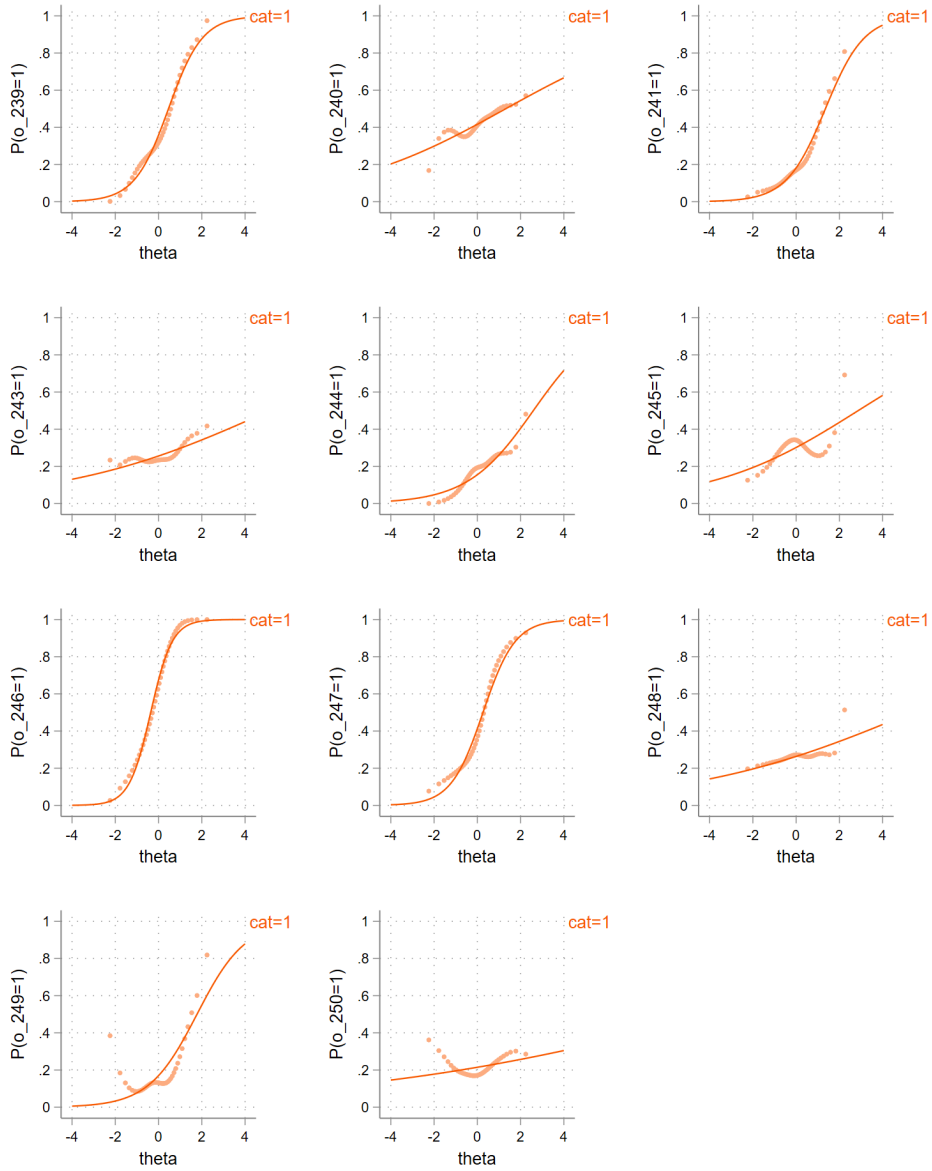




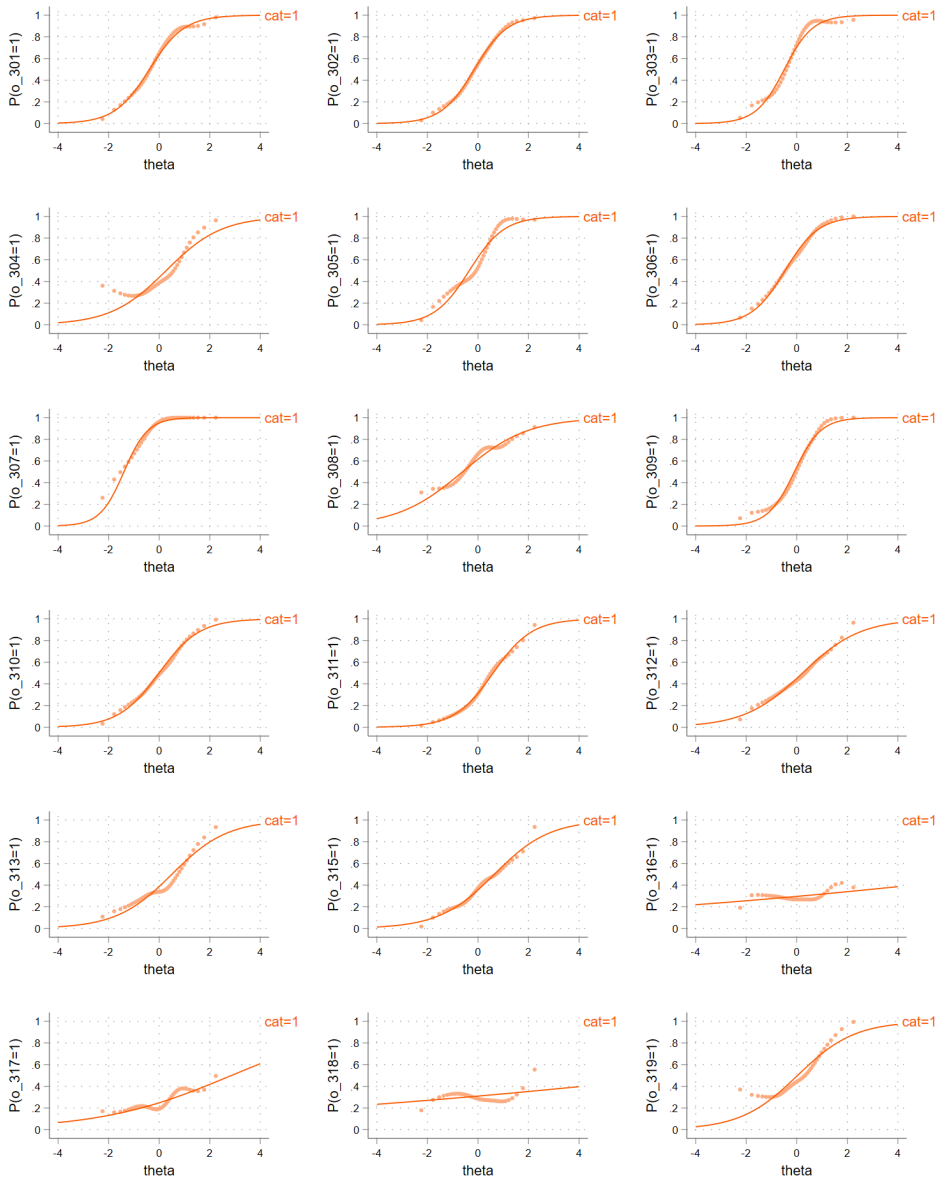
Exam year 2012

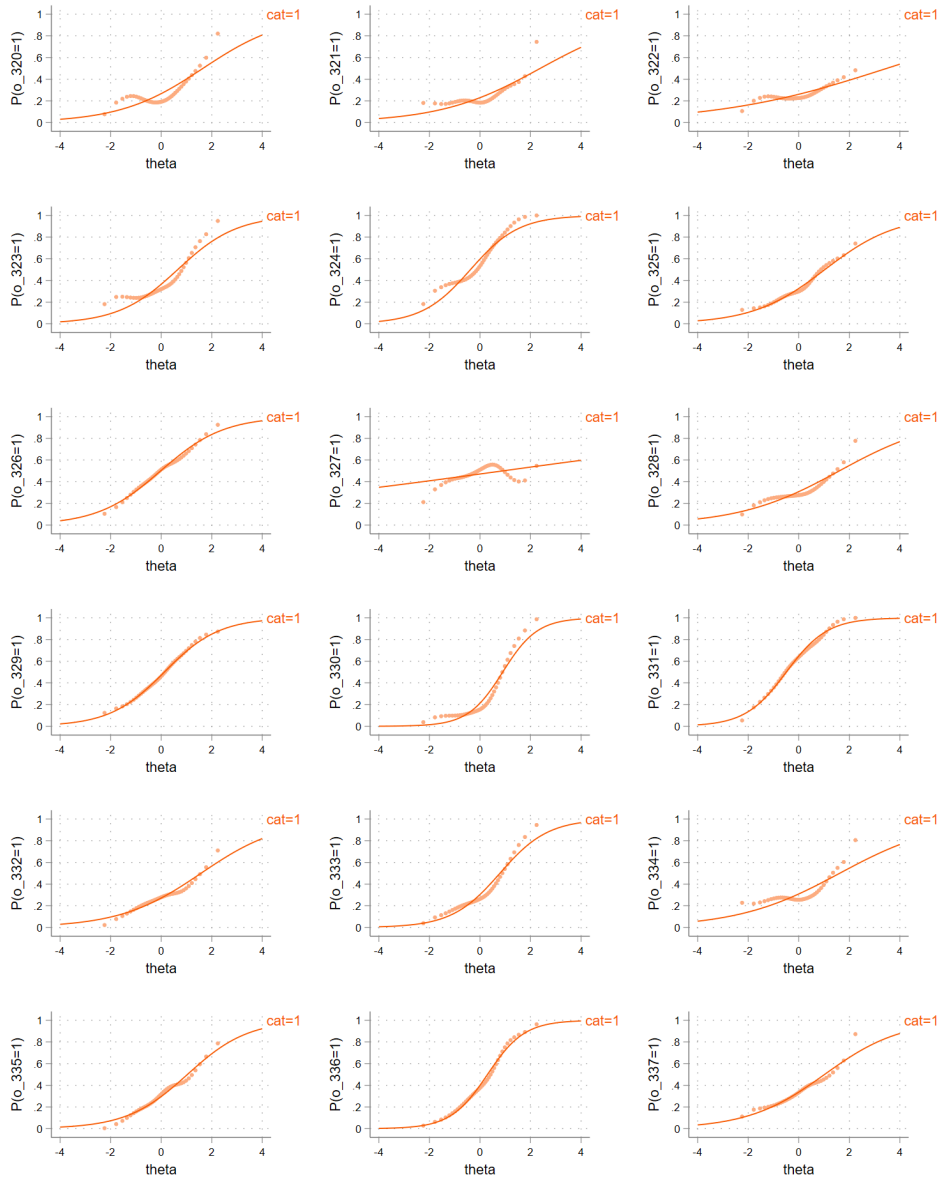


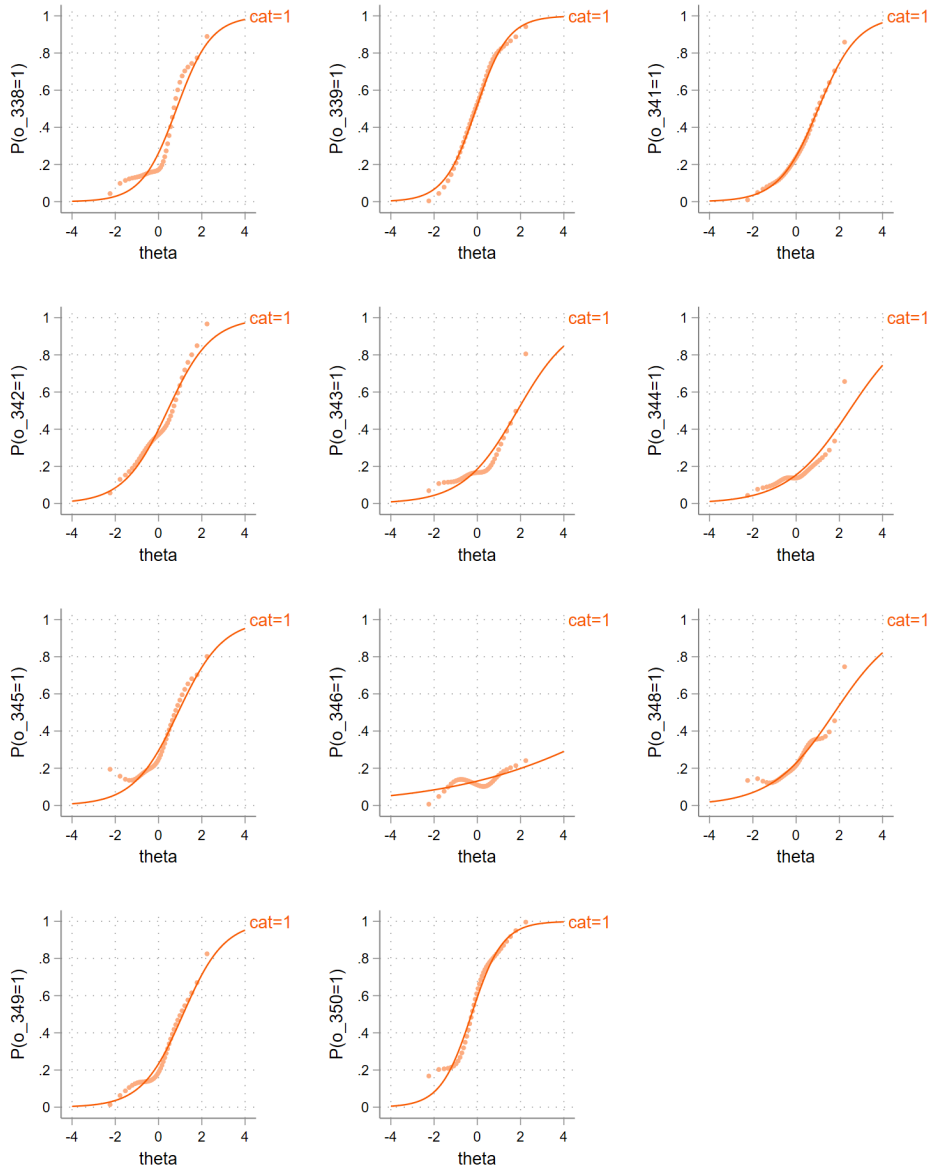




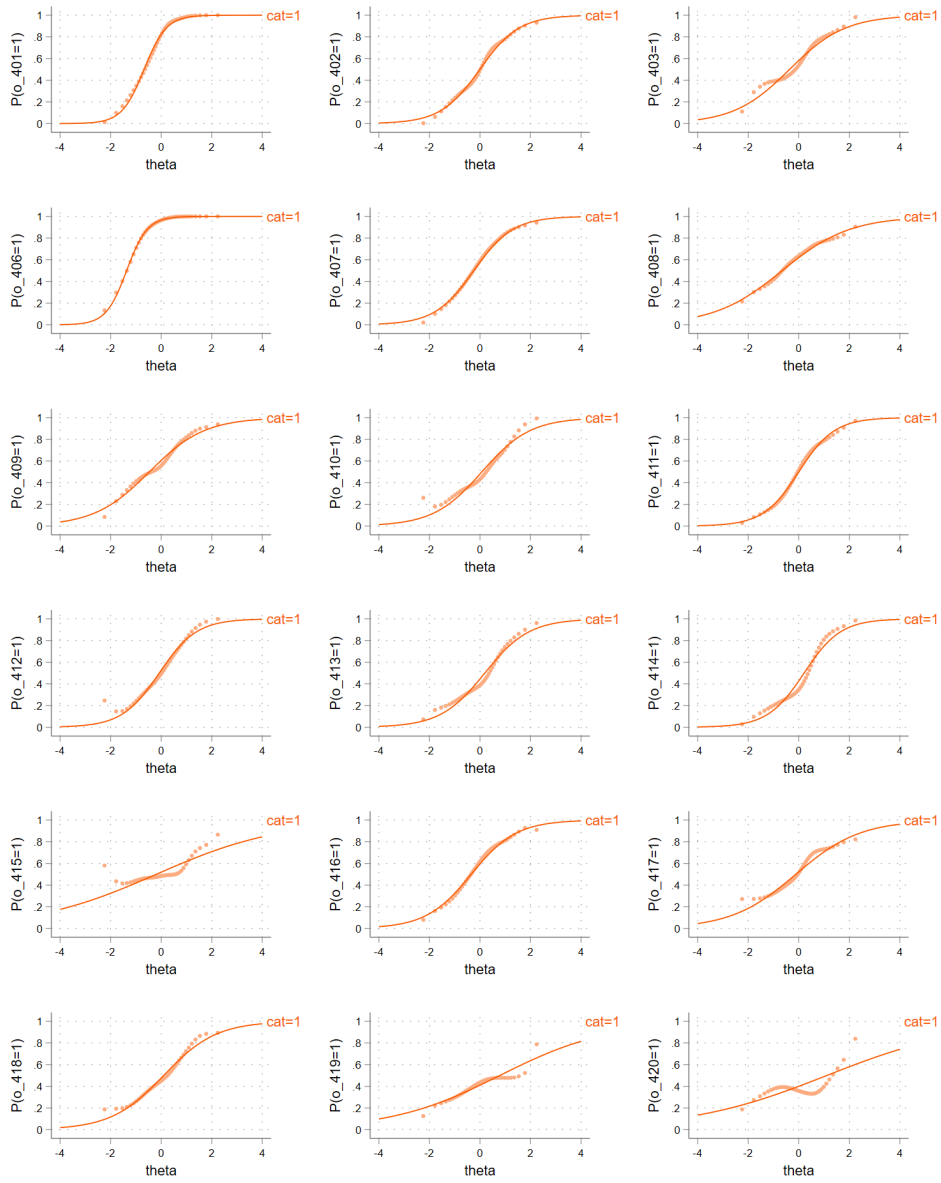
Exam year 2013



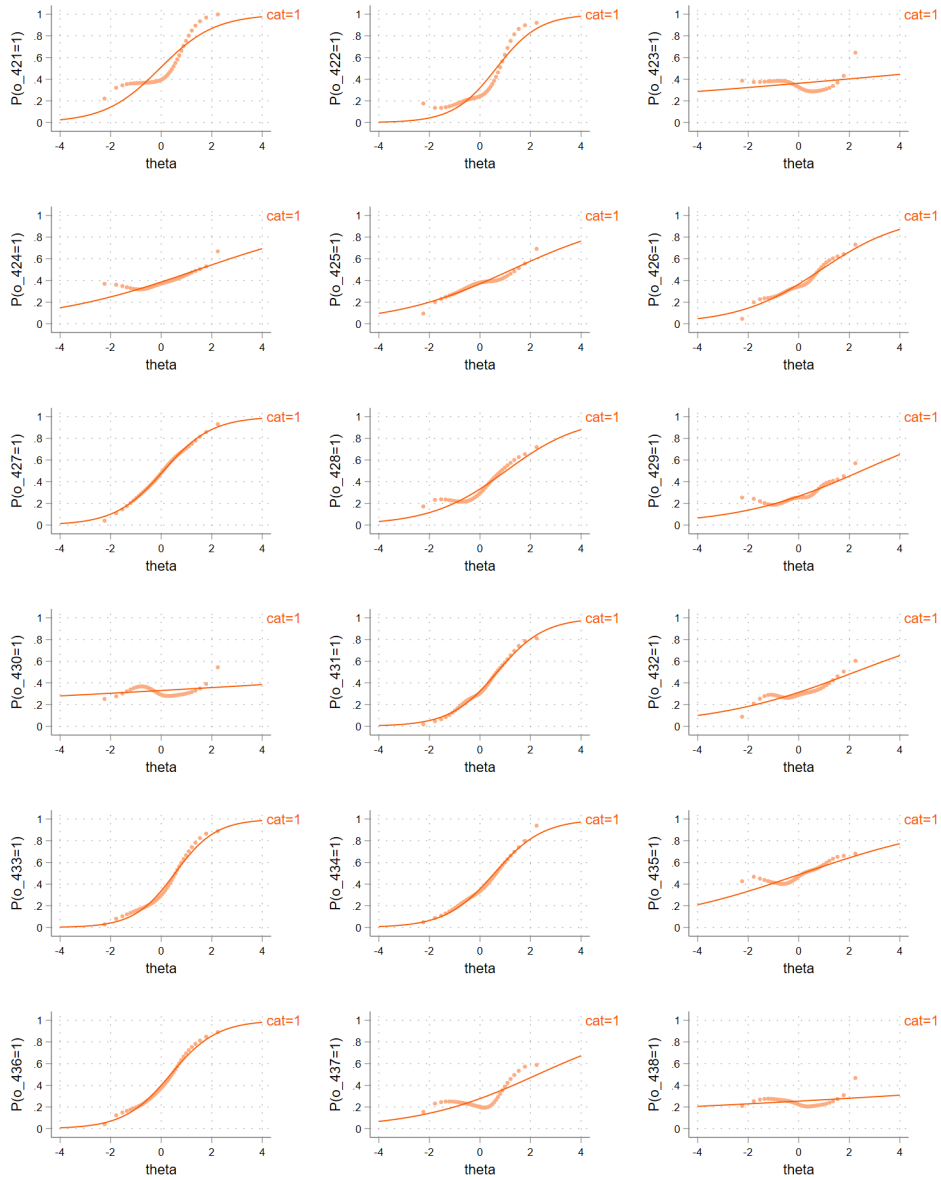


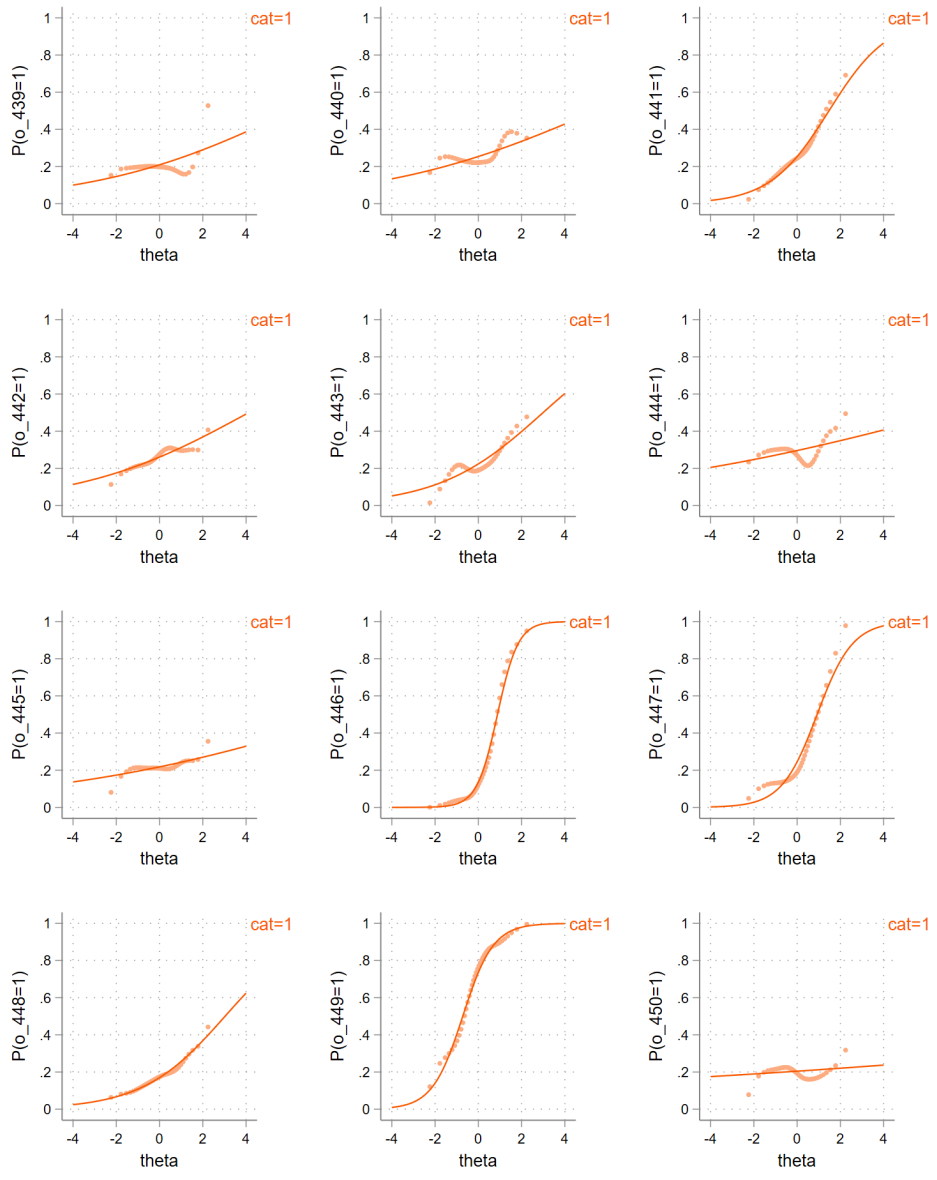


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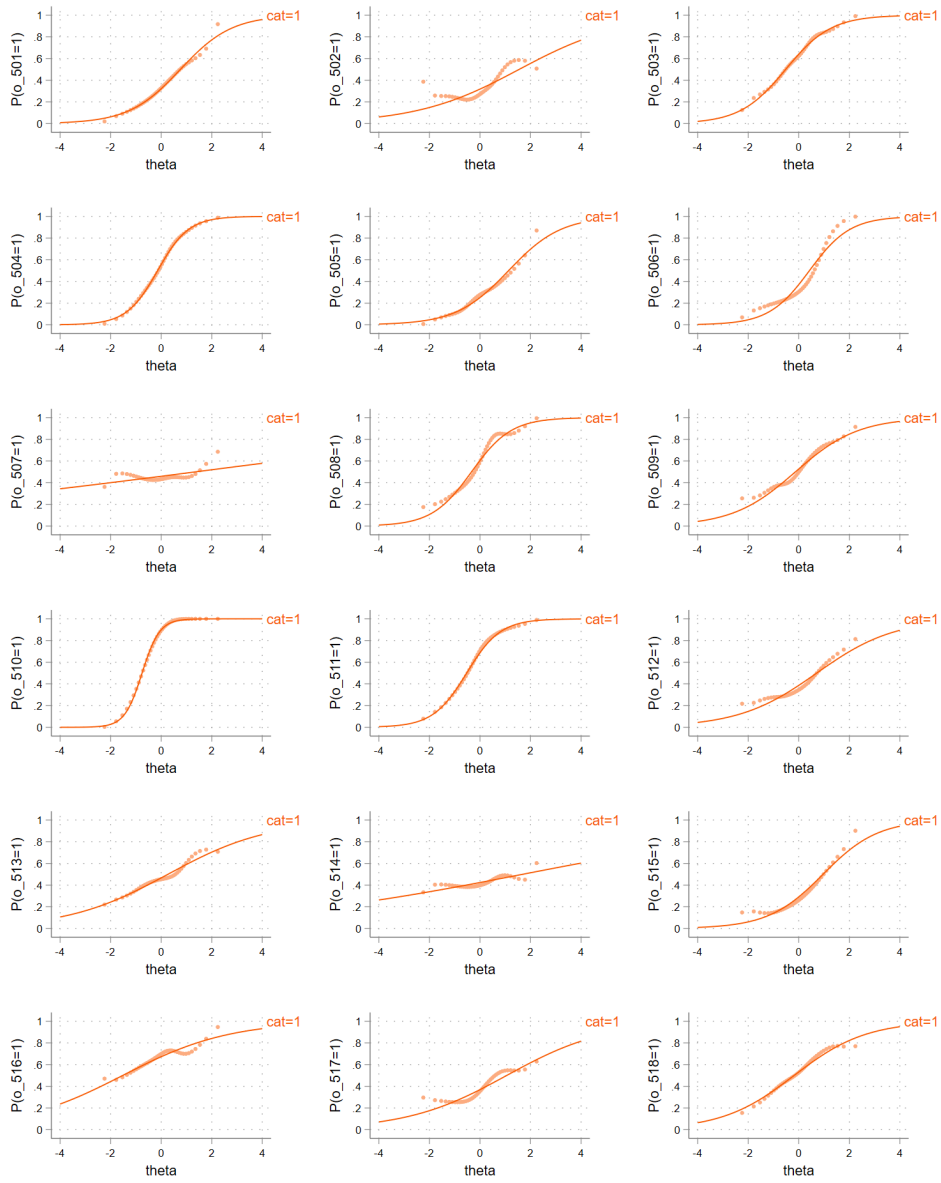


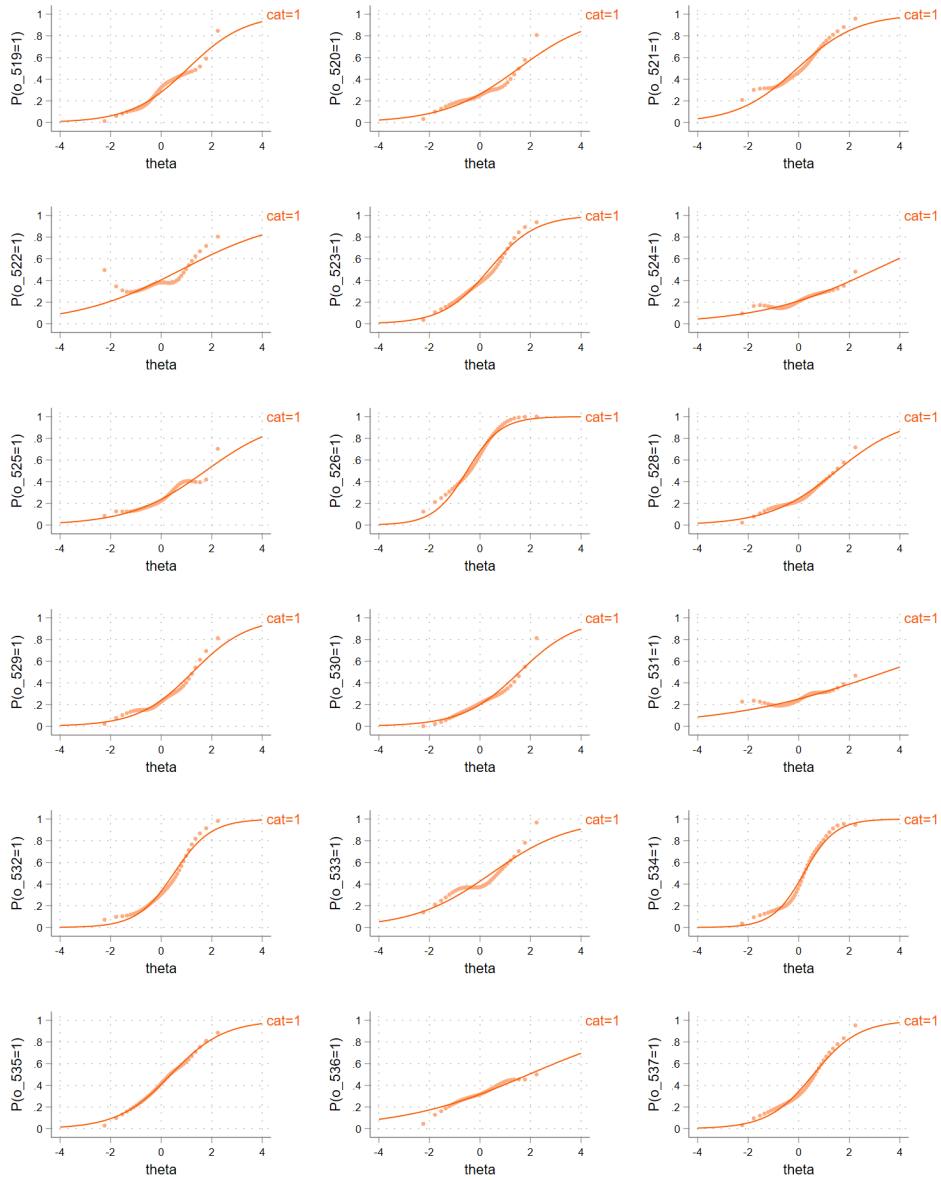


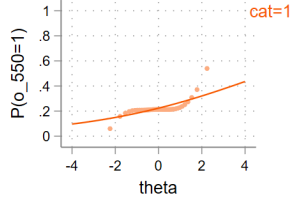
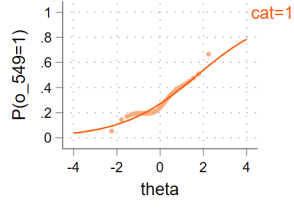
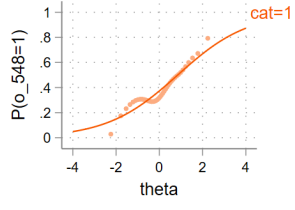
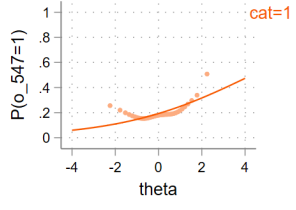
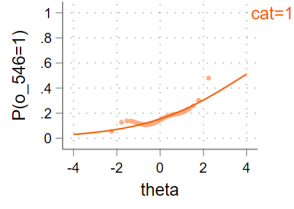
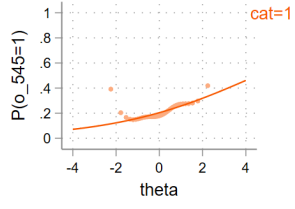
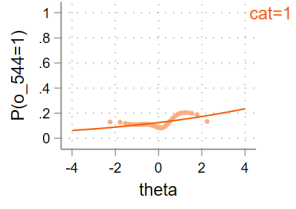
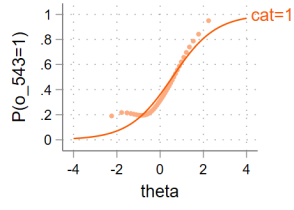
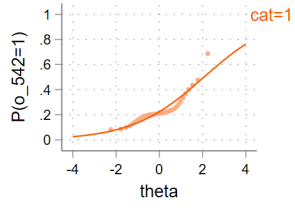
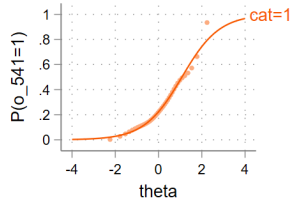
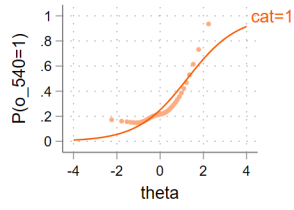
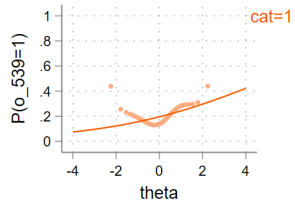
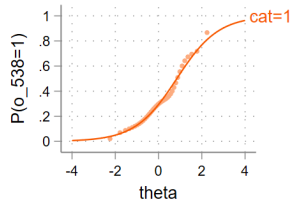




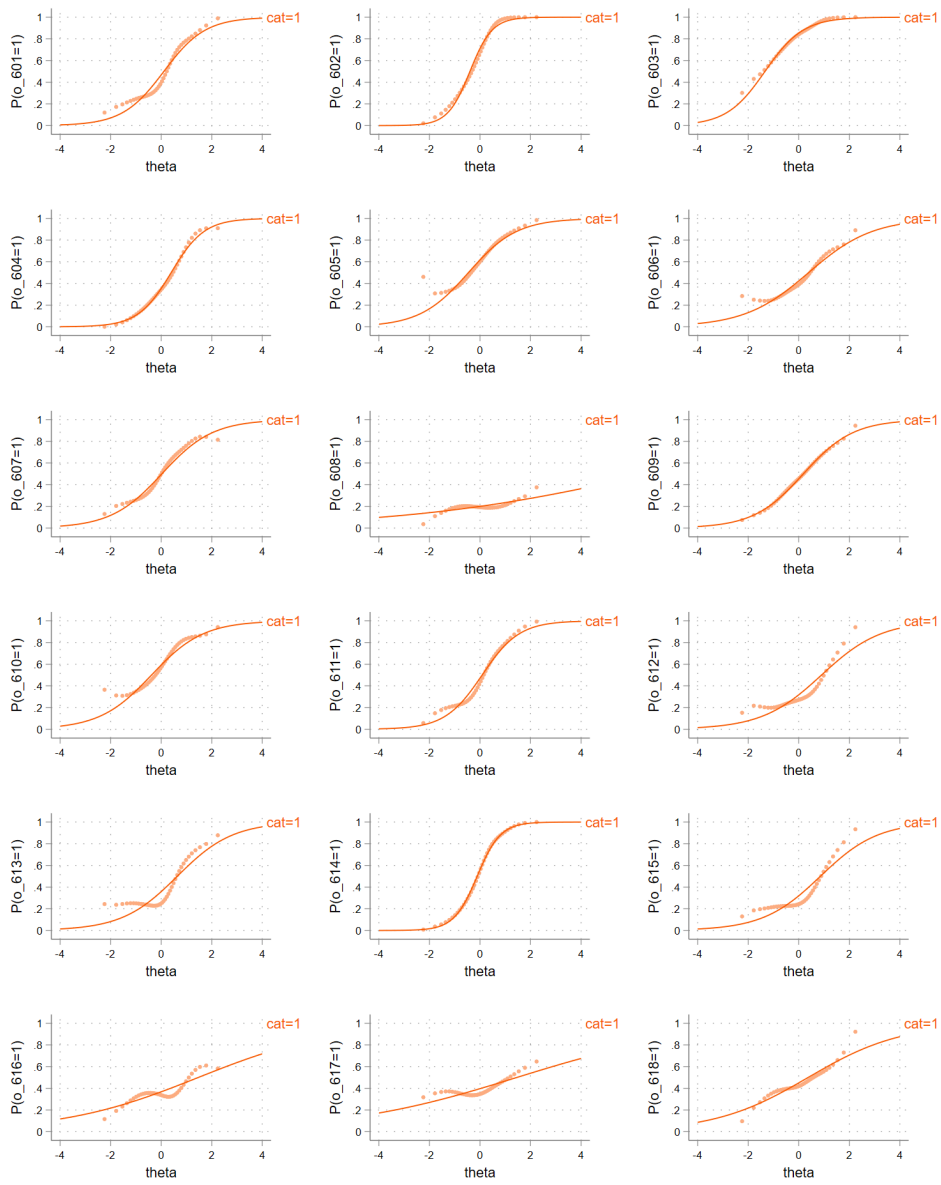
Exam year 2015

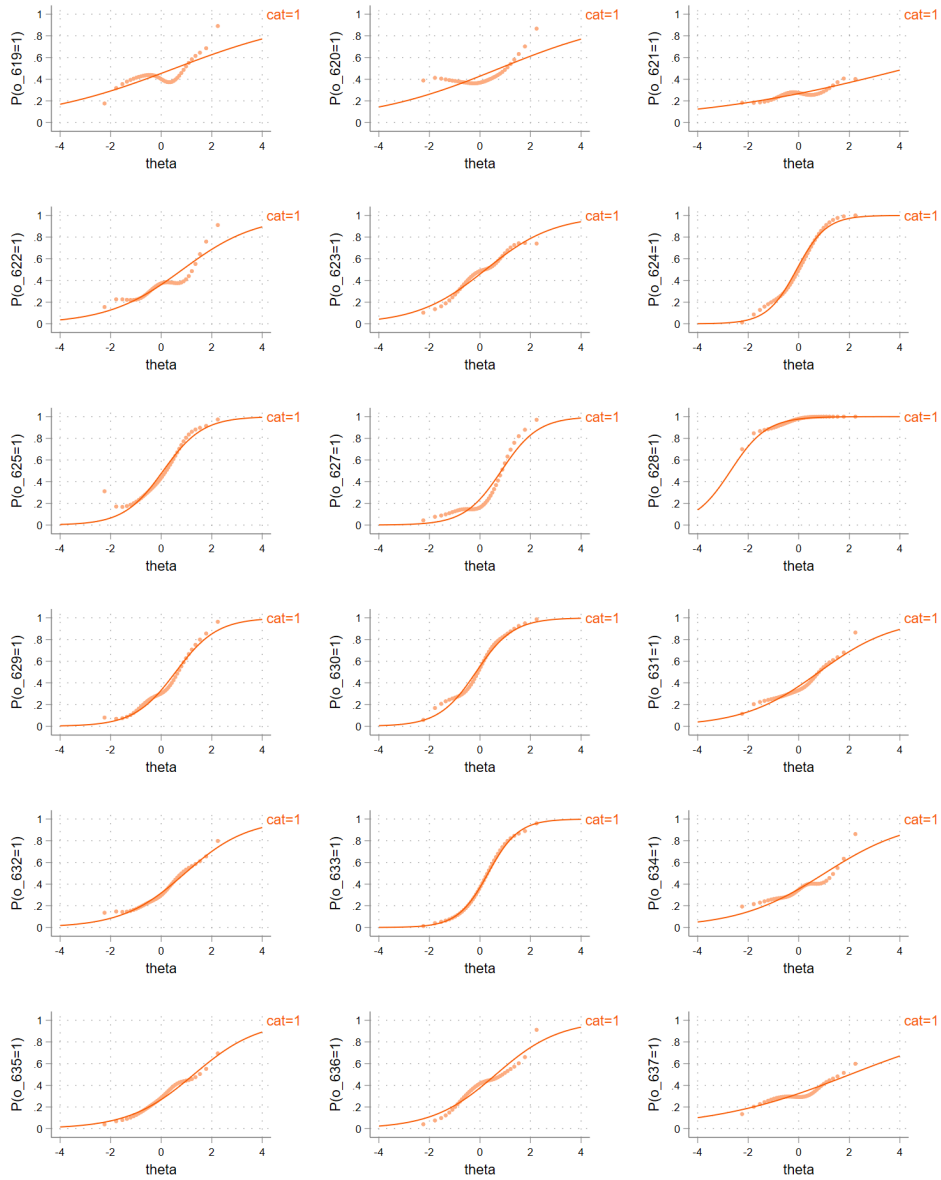






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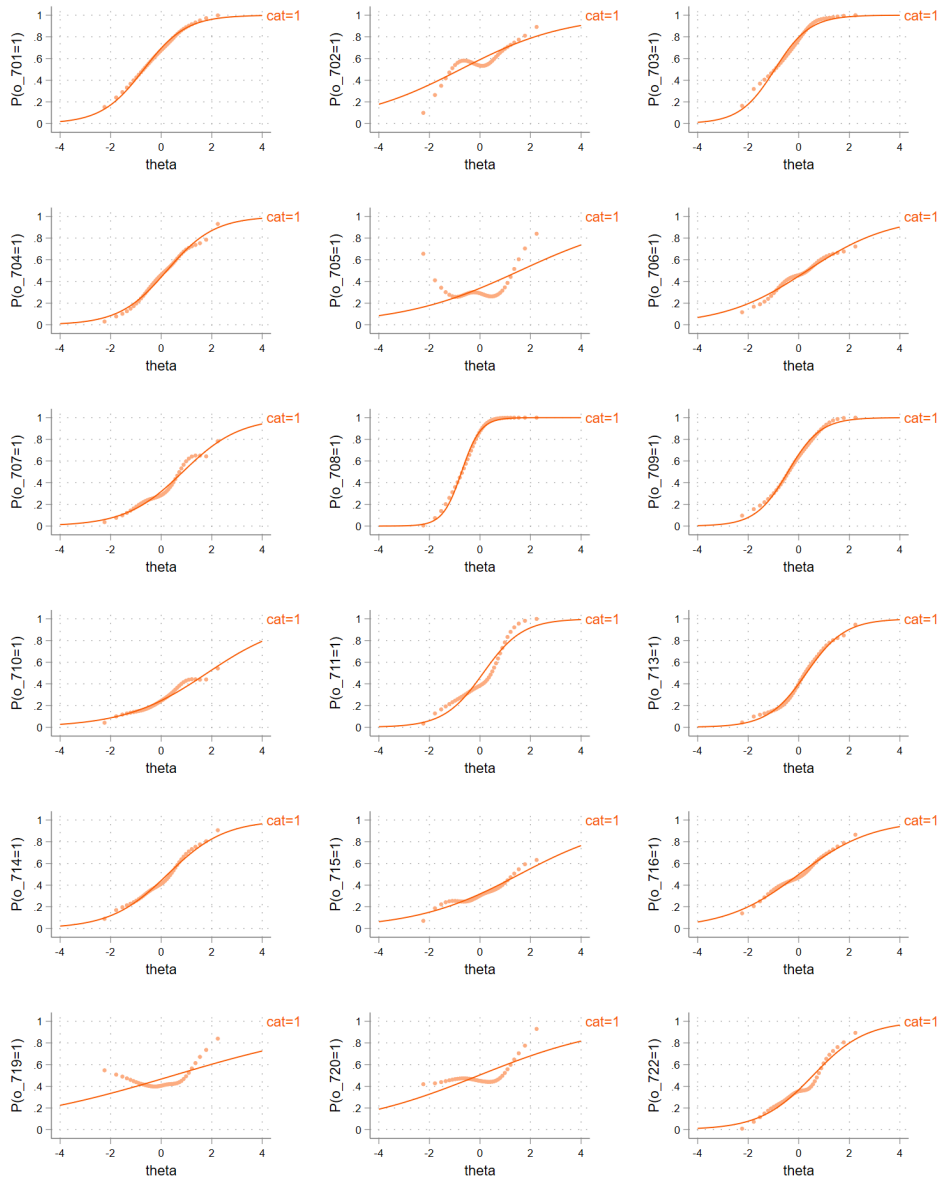


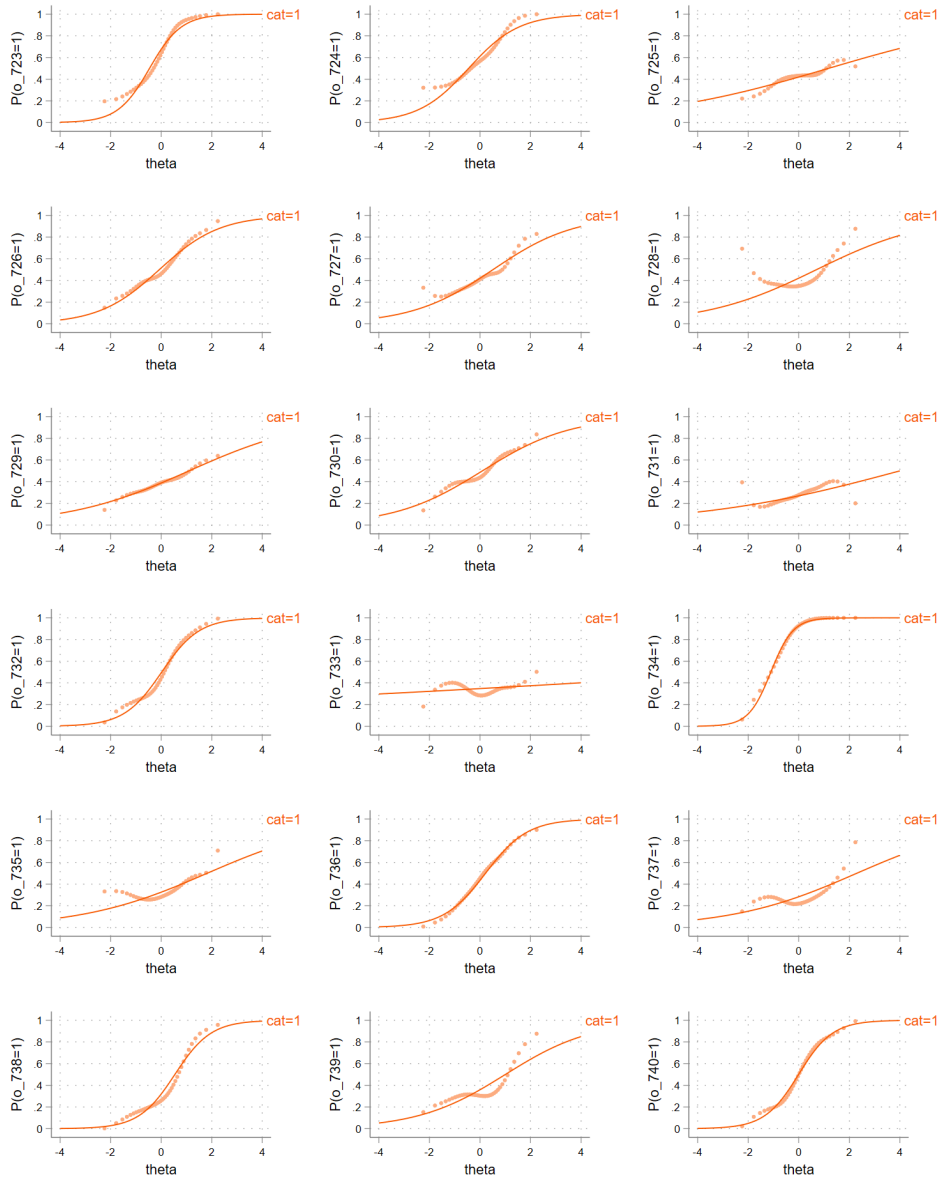


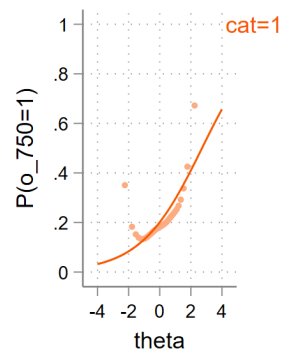
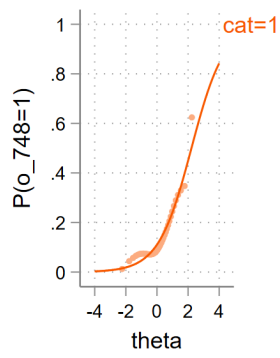
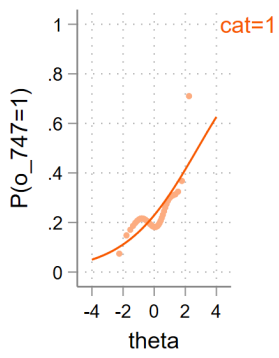
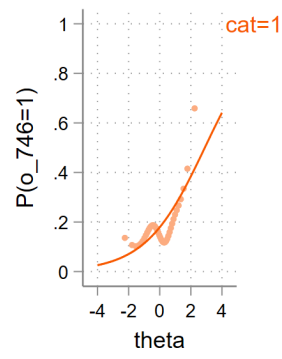
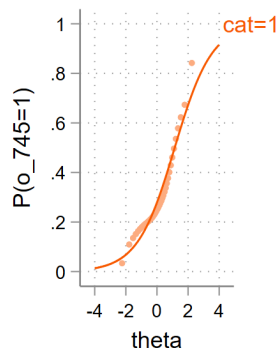
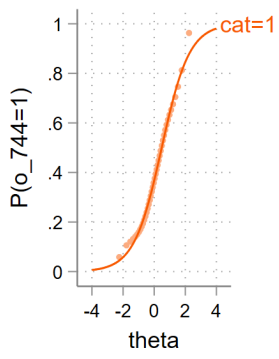
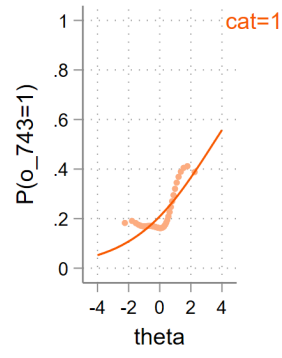
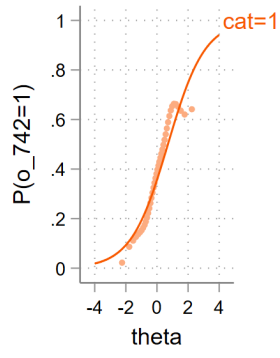
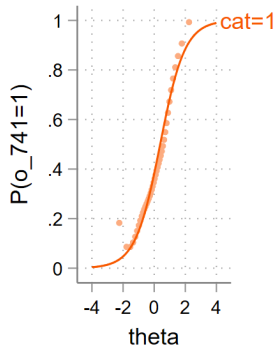




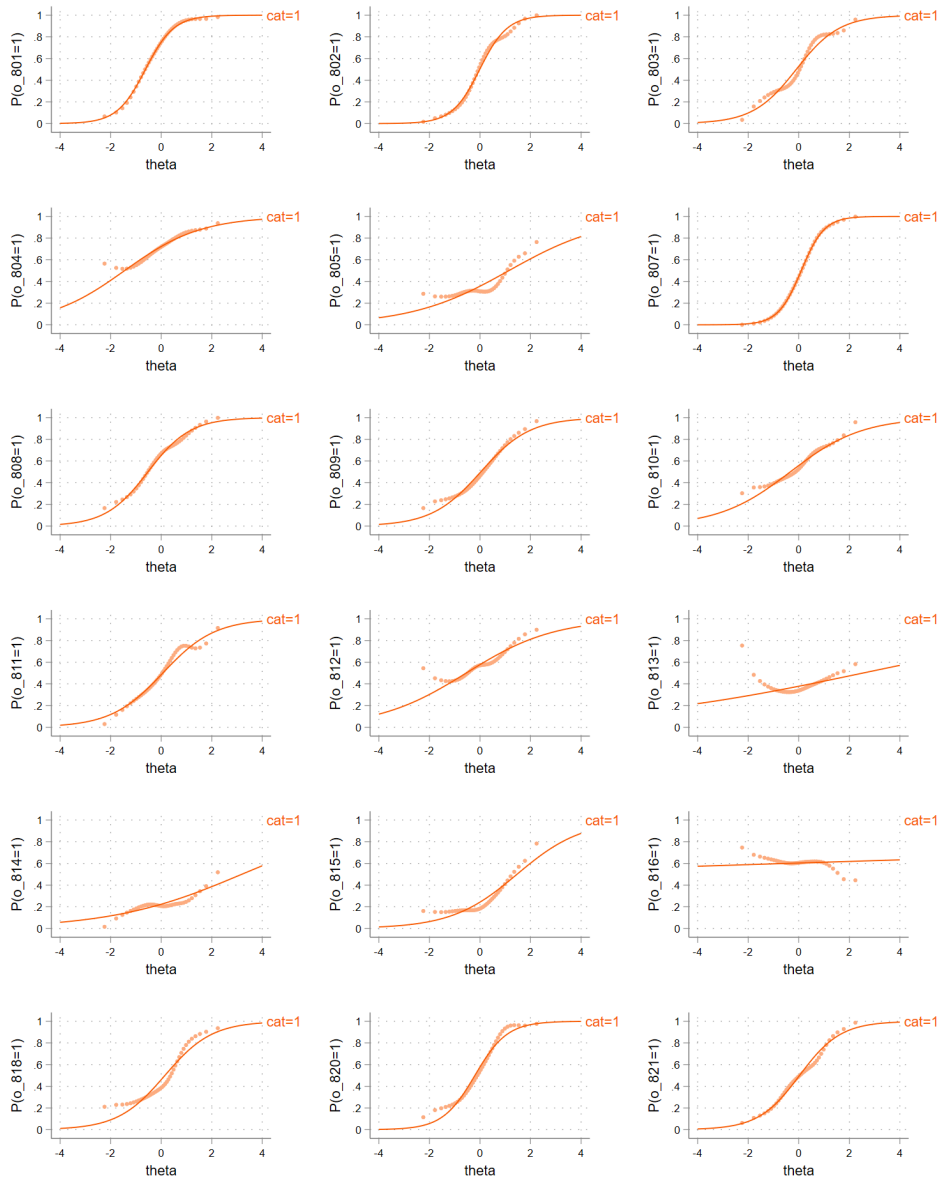
Exam year 2017

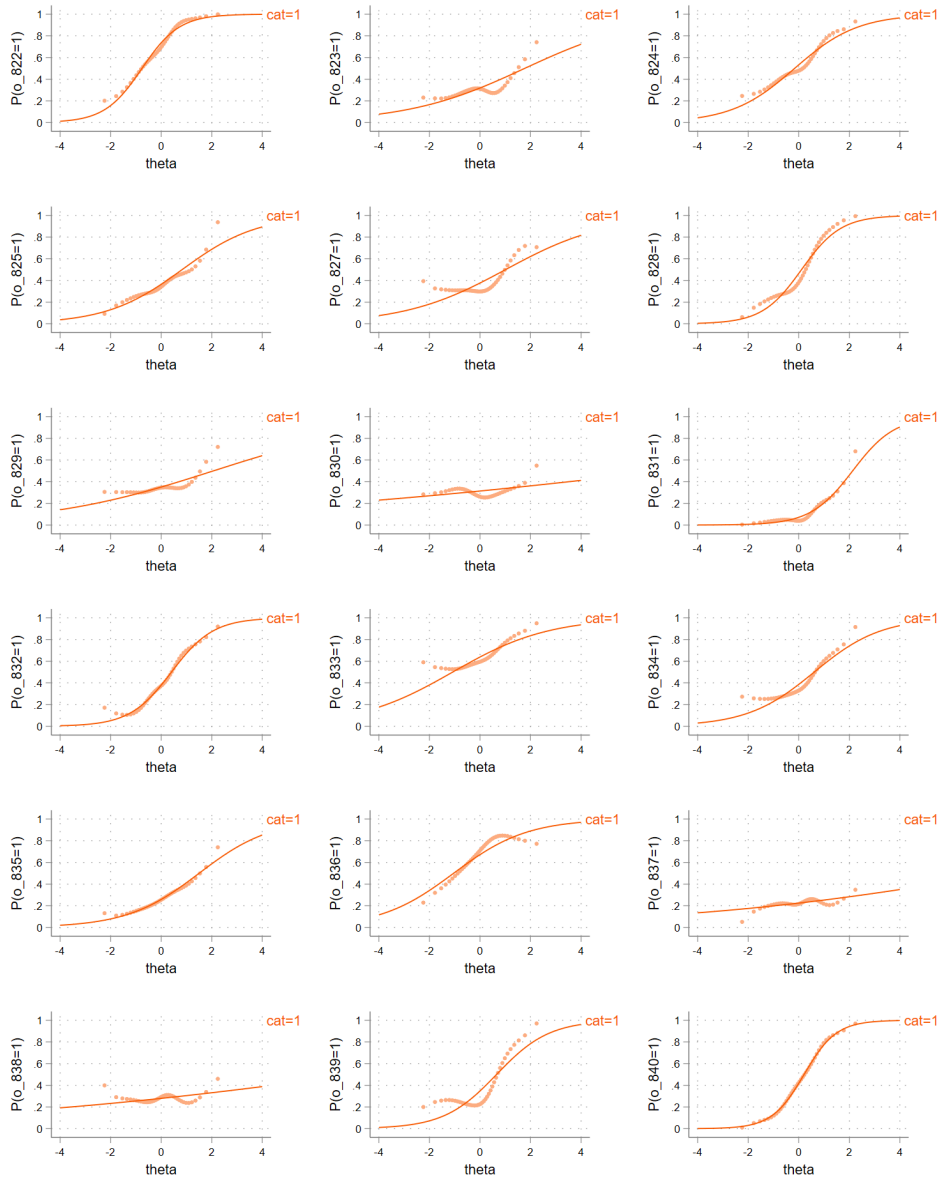


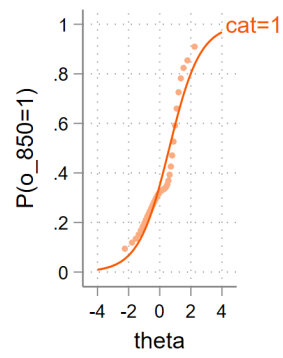
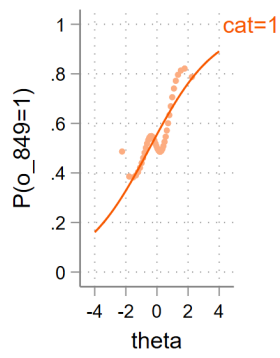
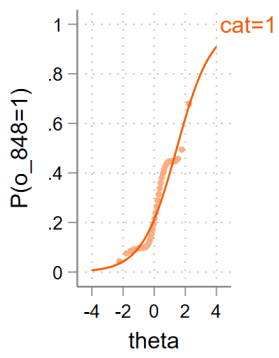
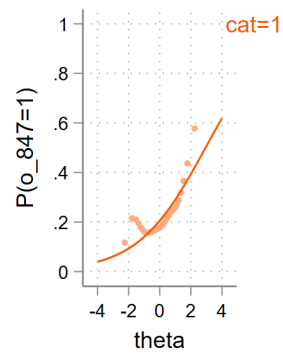
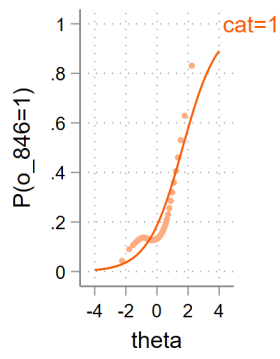
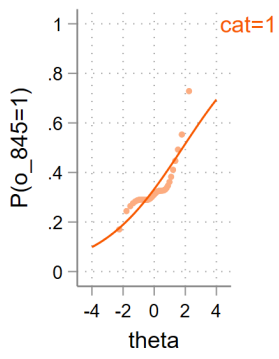
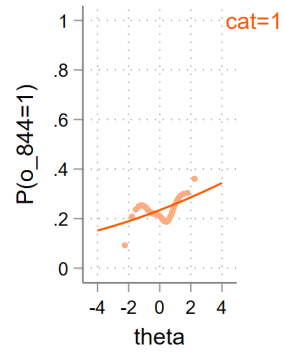
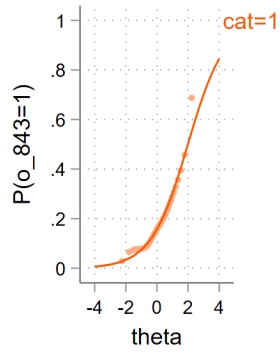
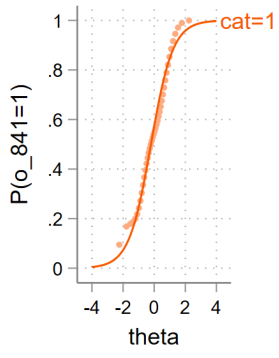




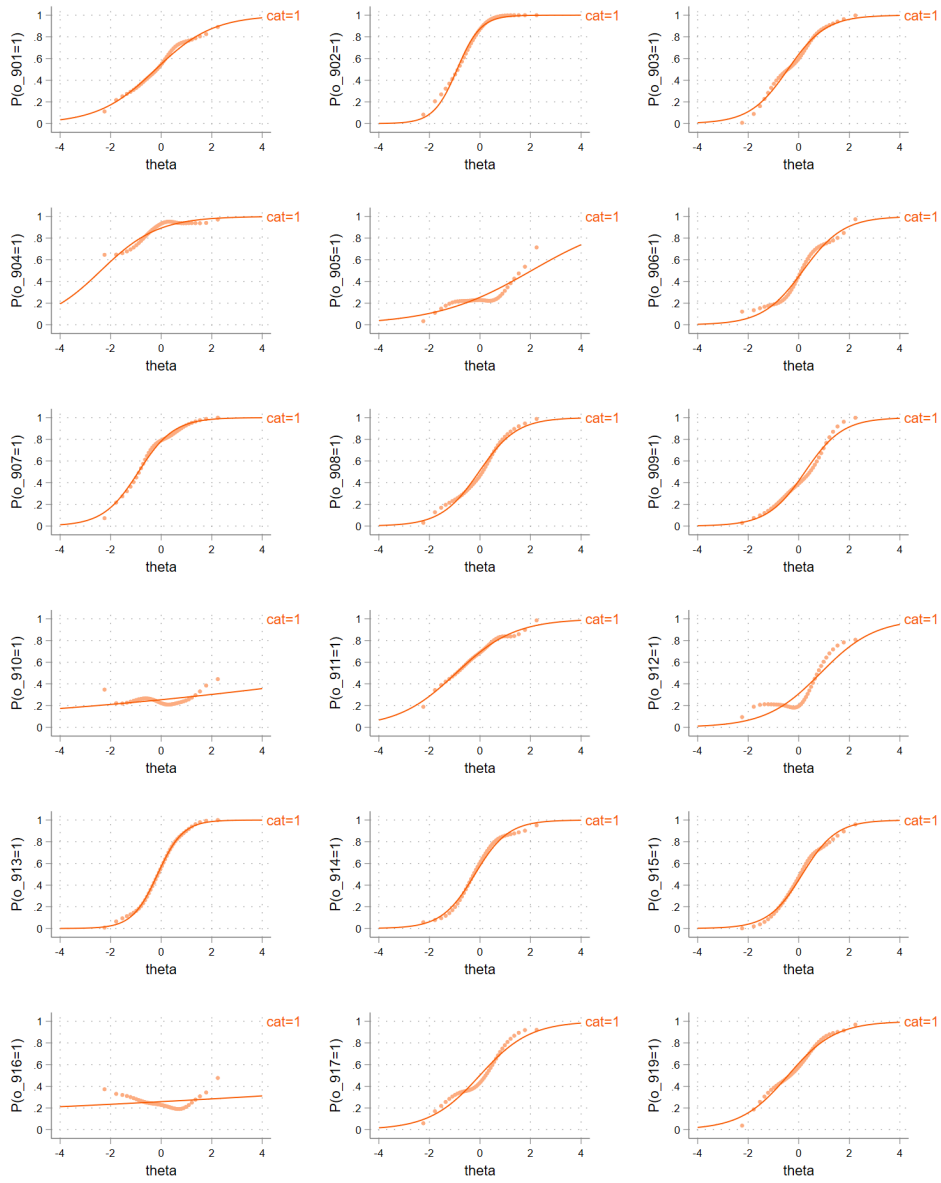
Exam year 2018

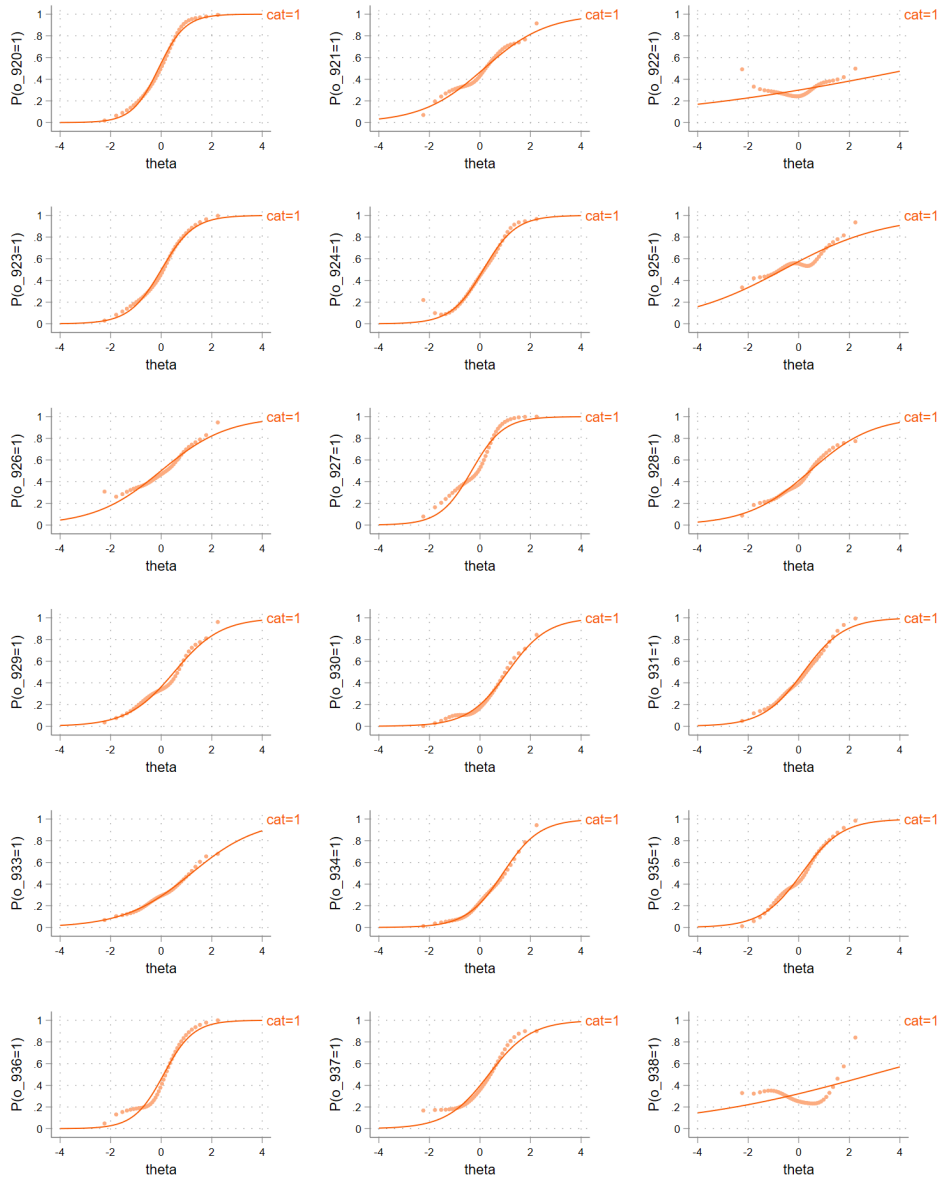




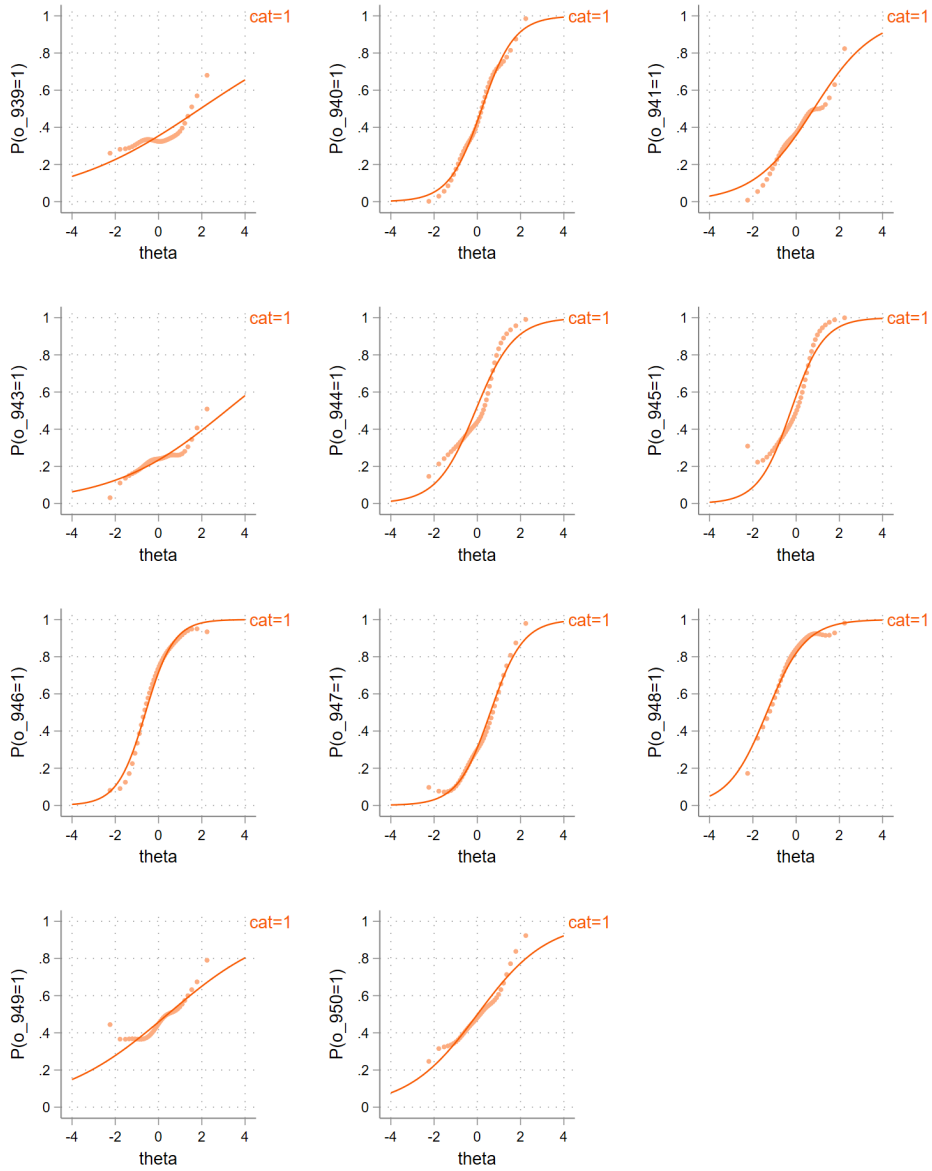


Exam year 2019



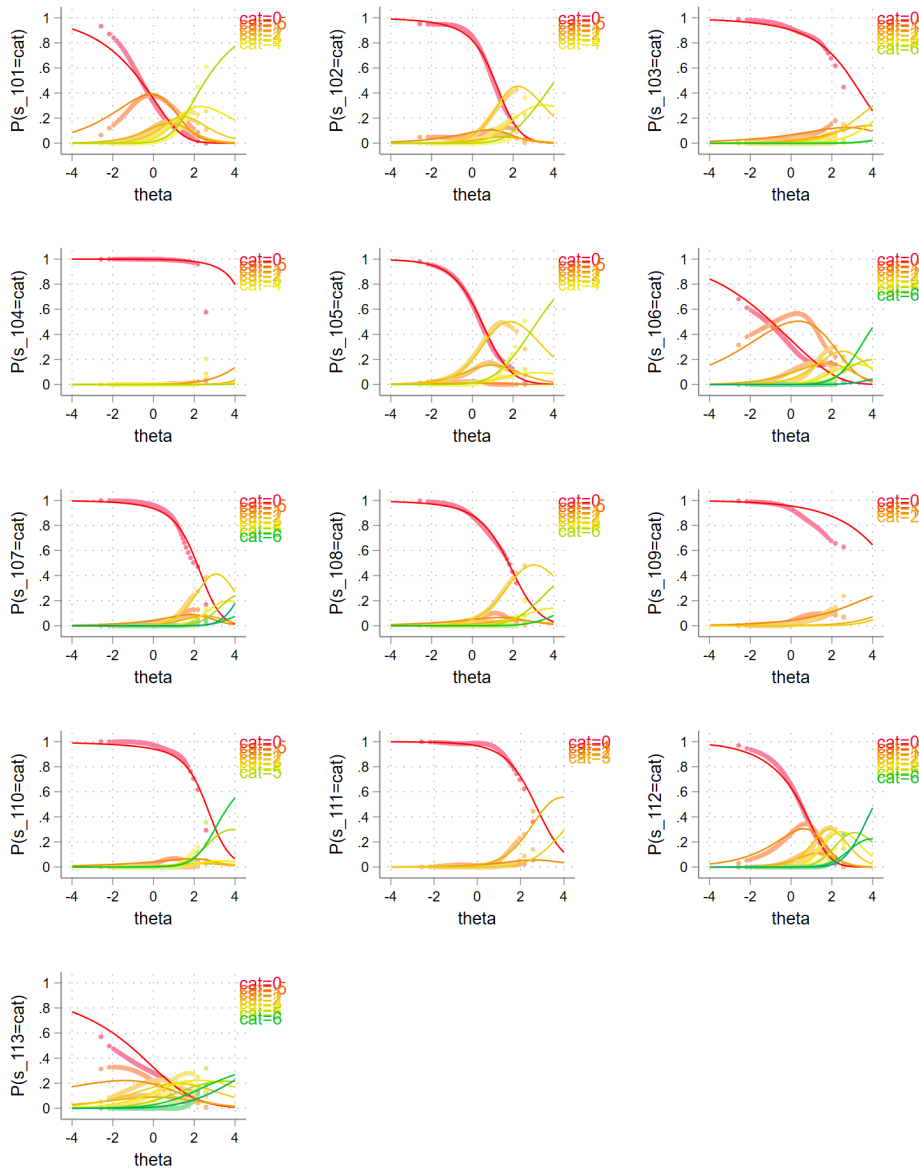




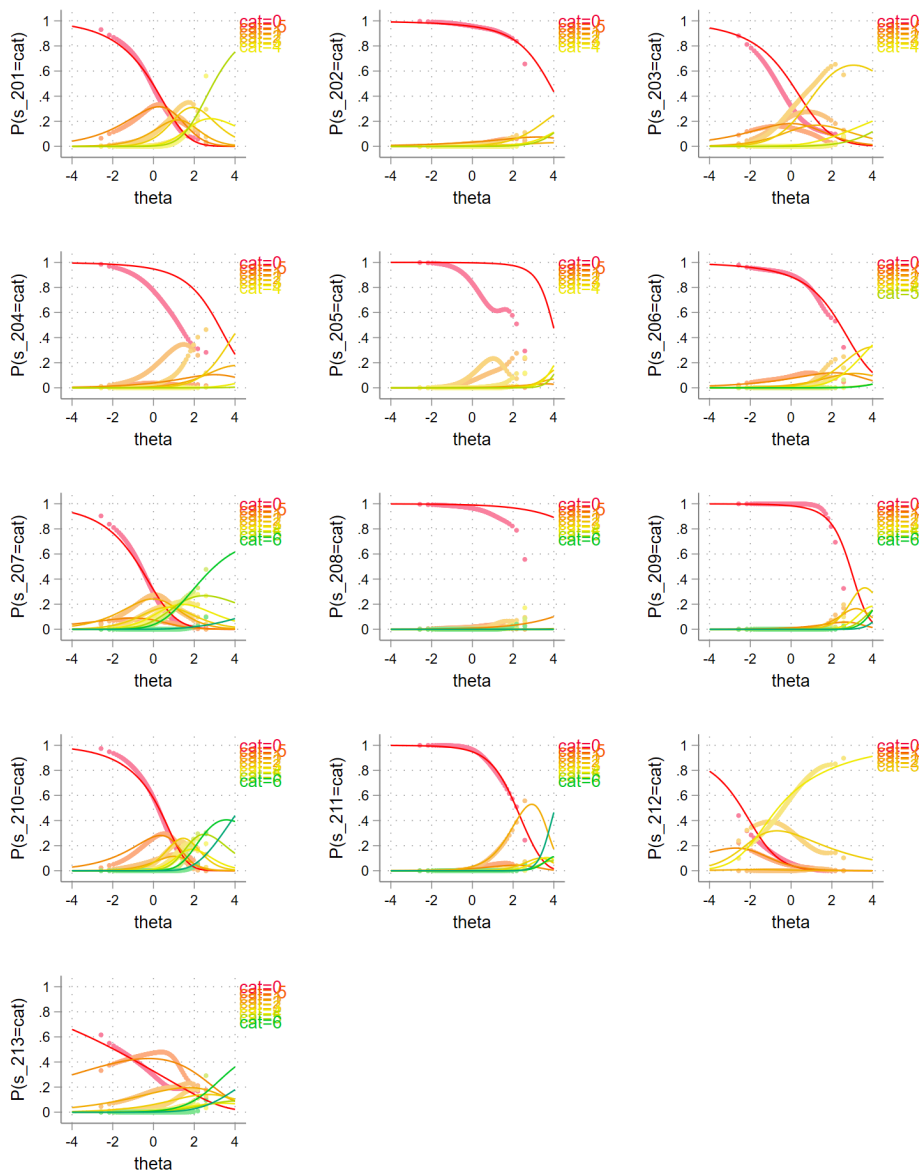


## B.2 Item Characteristic Curves and Model Fit (Constructed-Response)

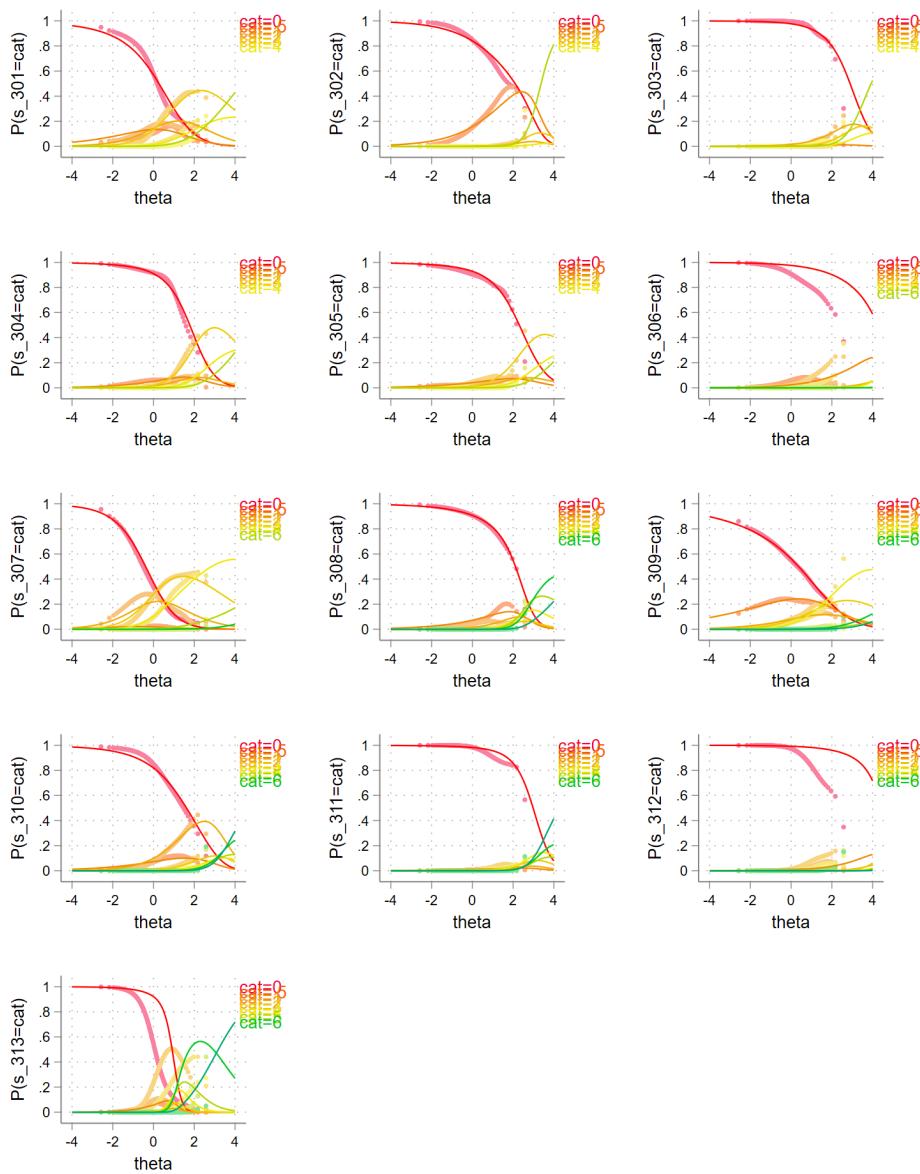
Exam year 2011



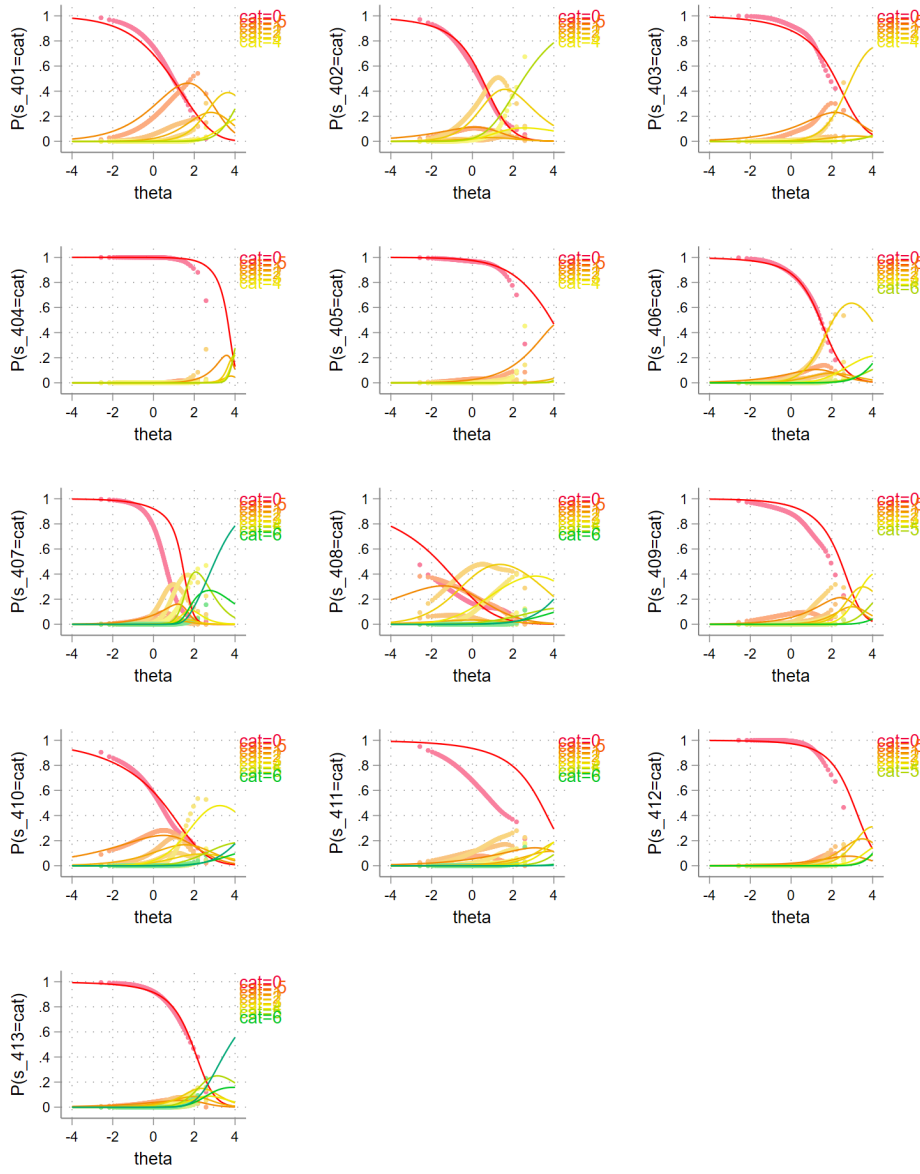
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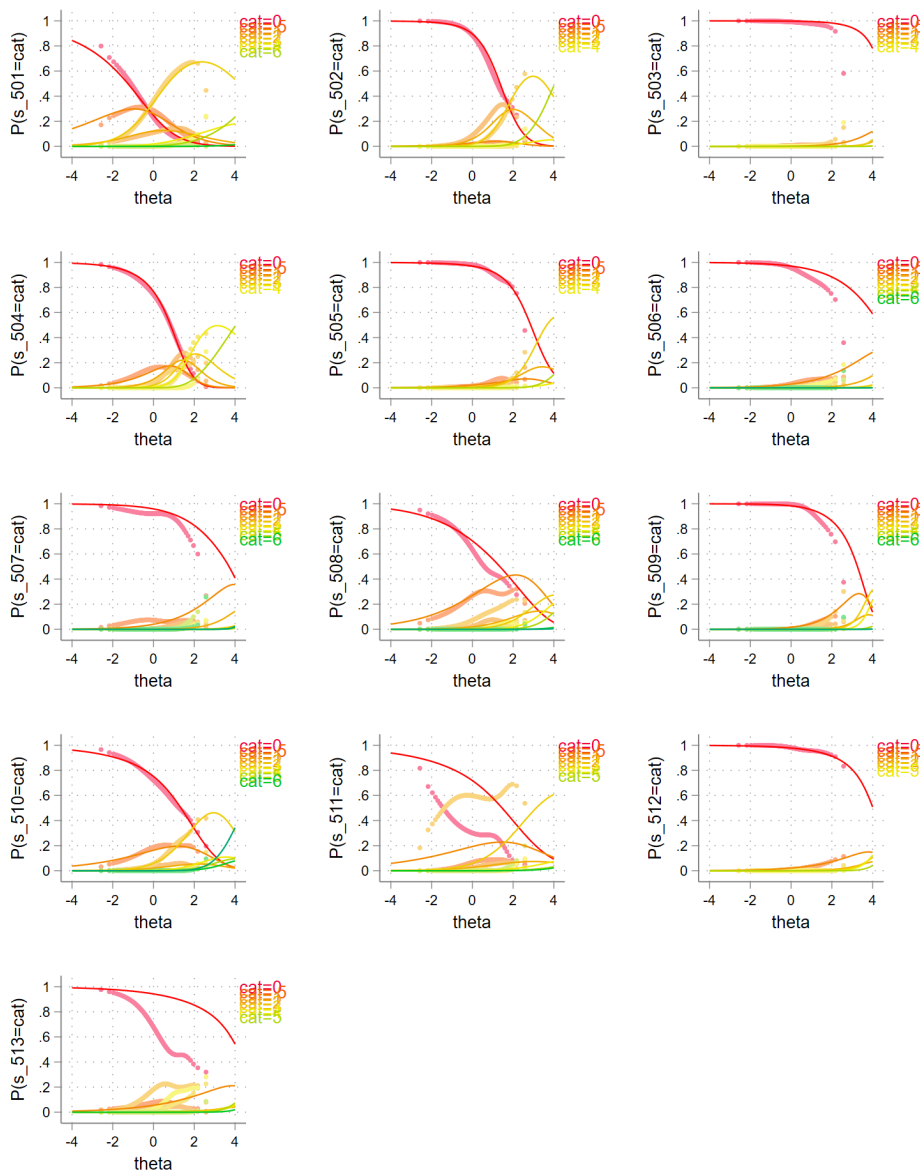
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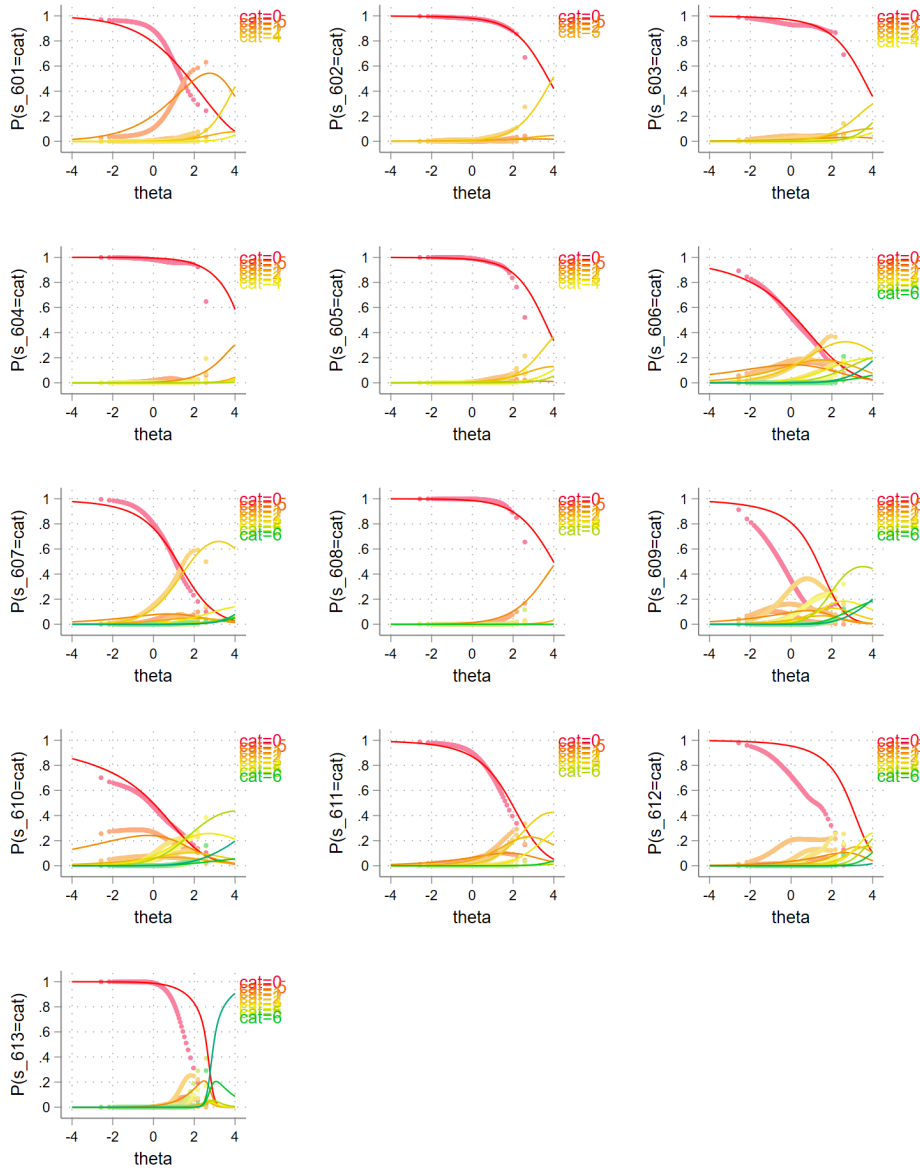
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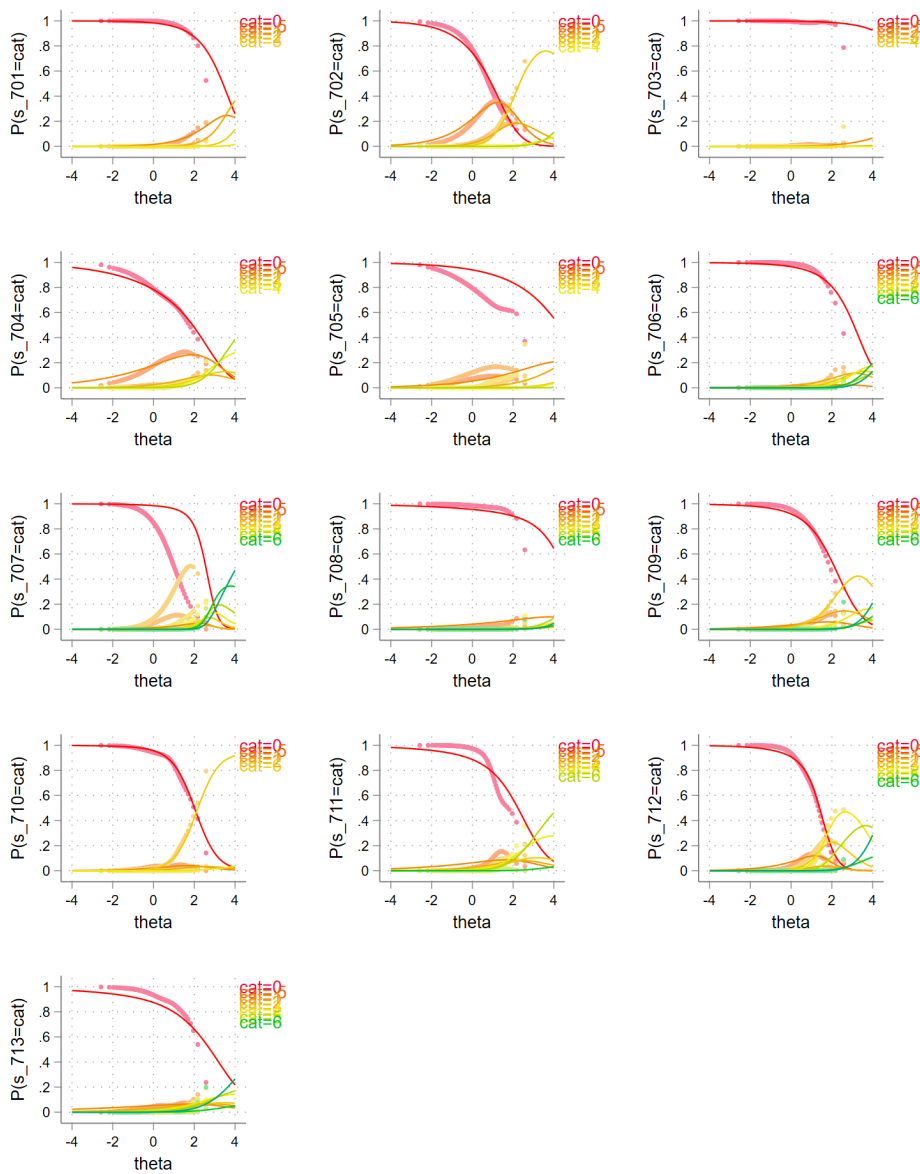
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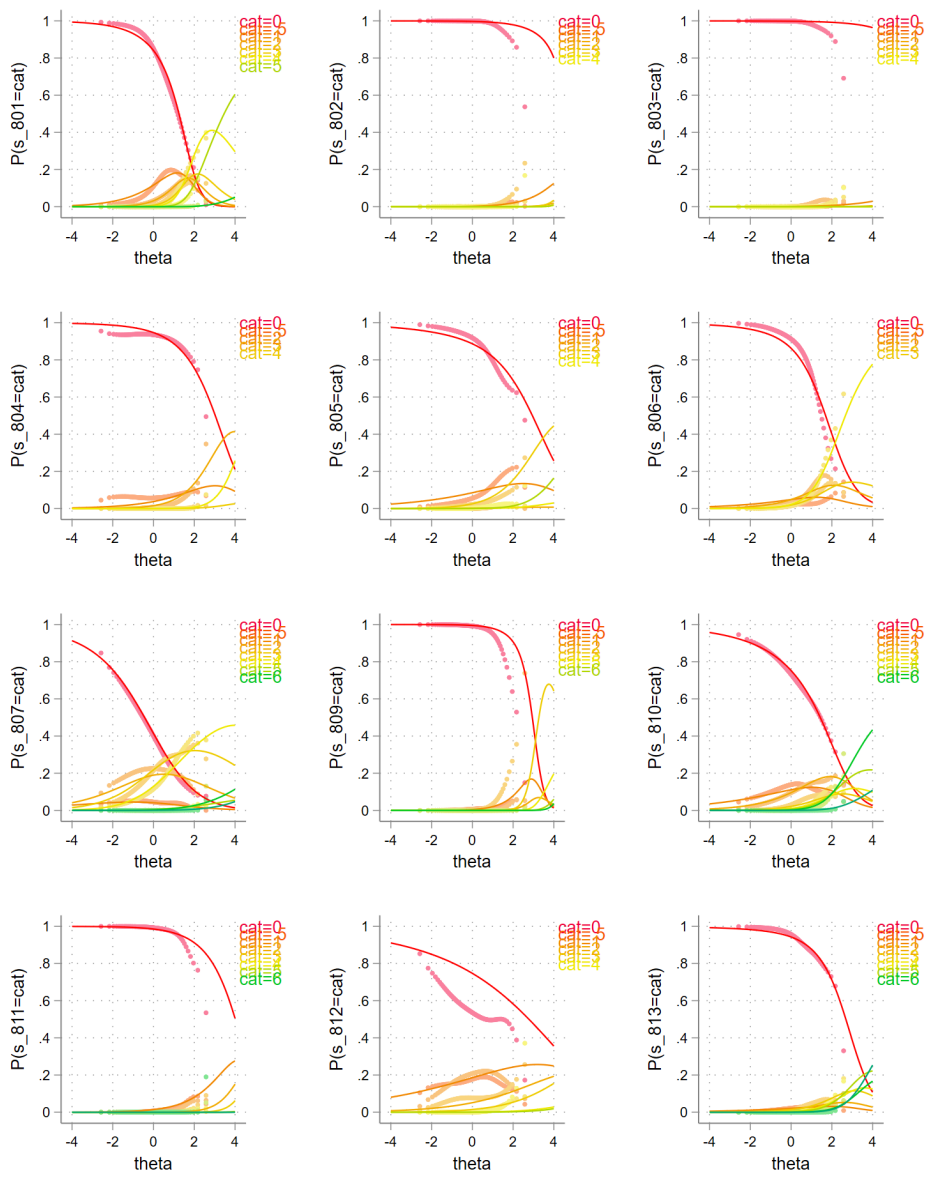


Exam year 2017





Exam year 2018



Exam year 2019

