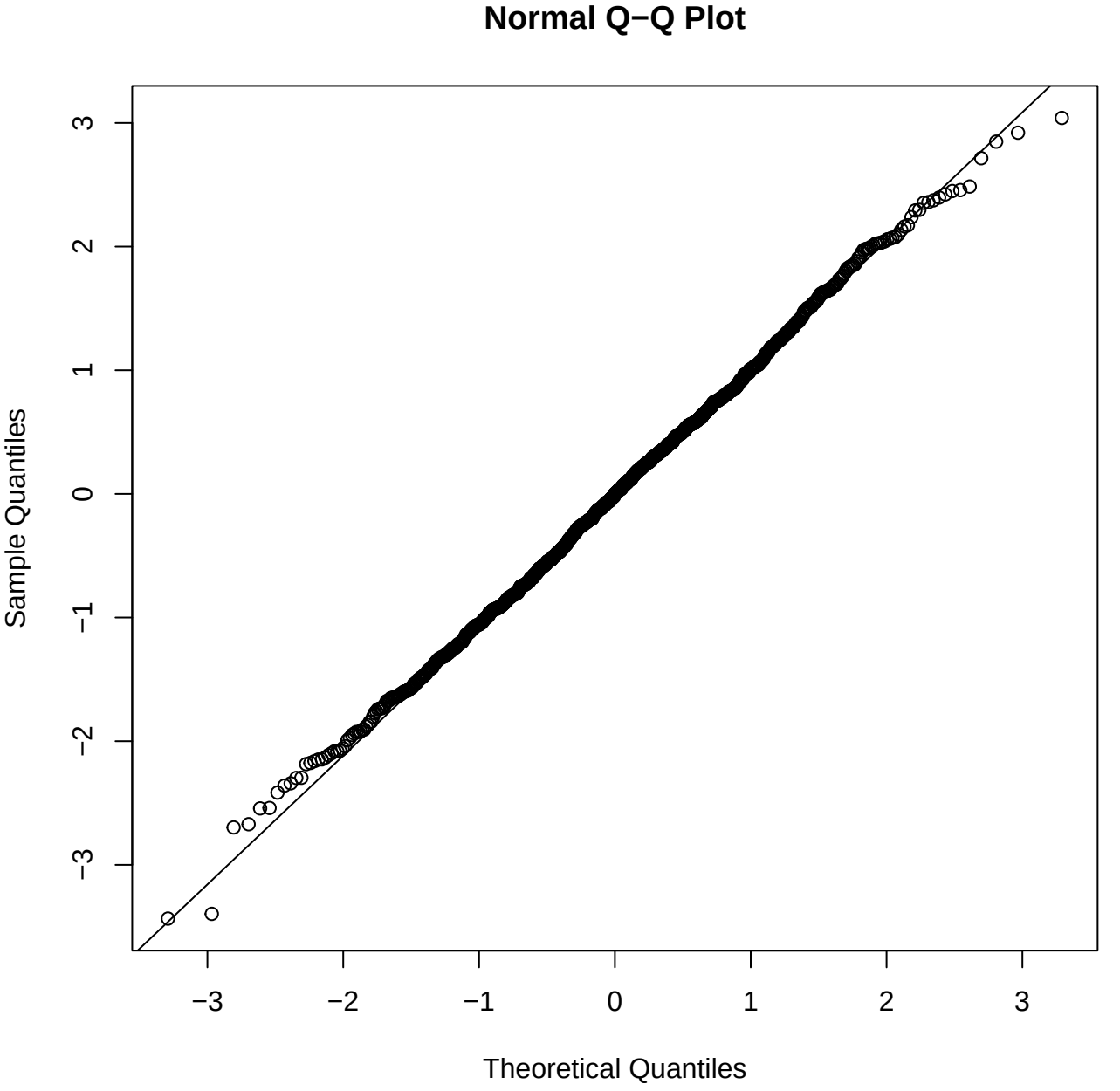
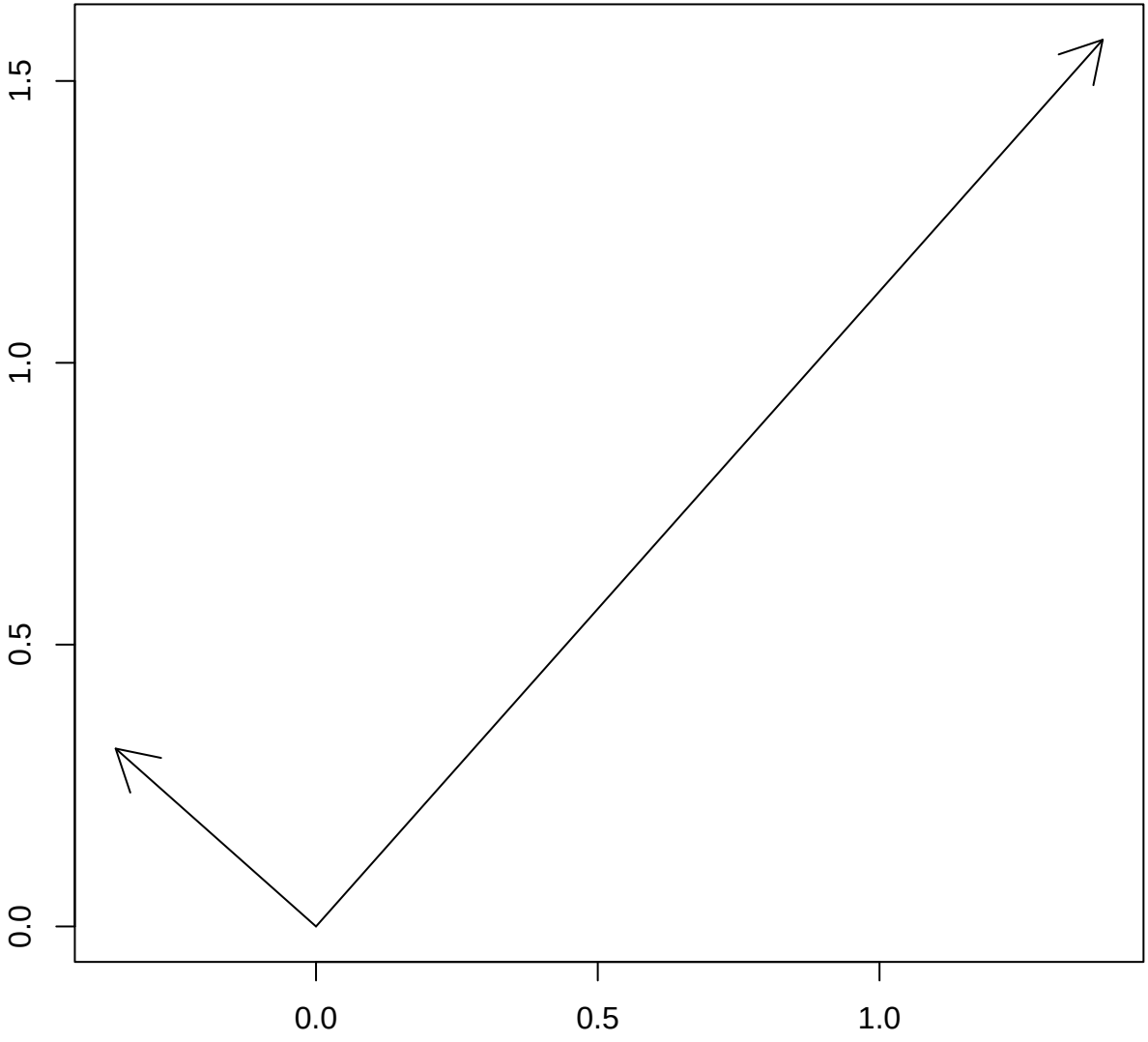

Normal Q−Q Plot
Sample Quantiles
Theoretical Quantiles
−3
−2
−1
0
1
2
3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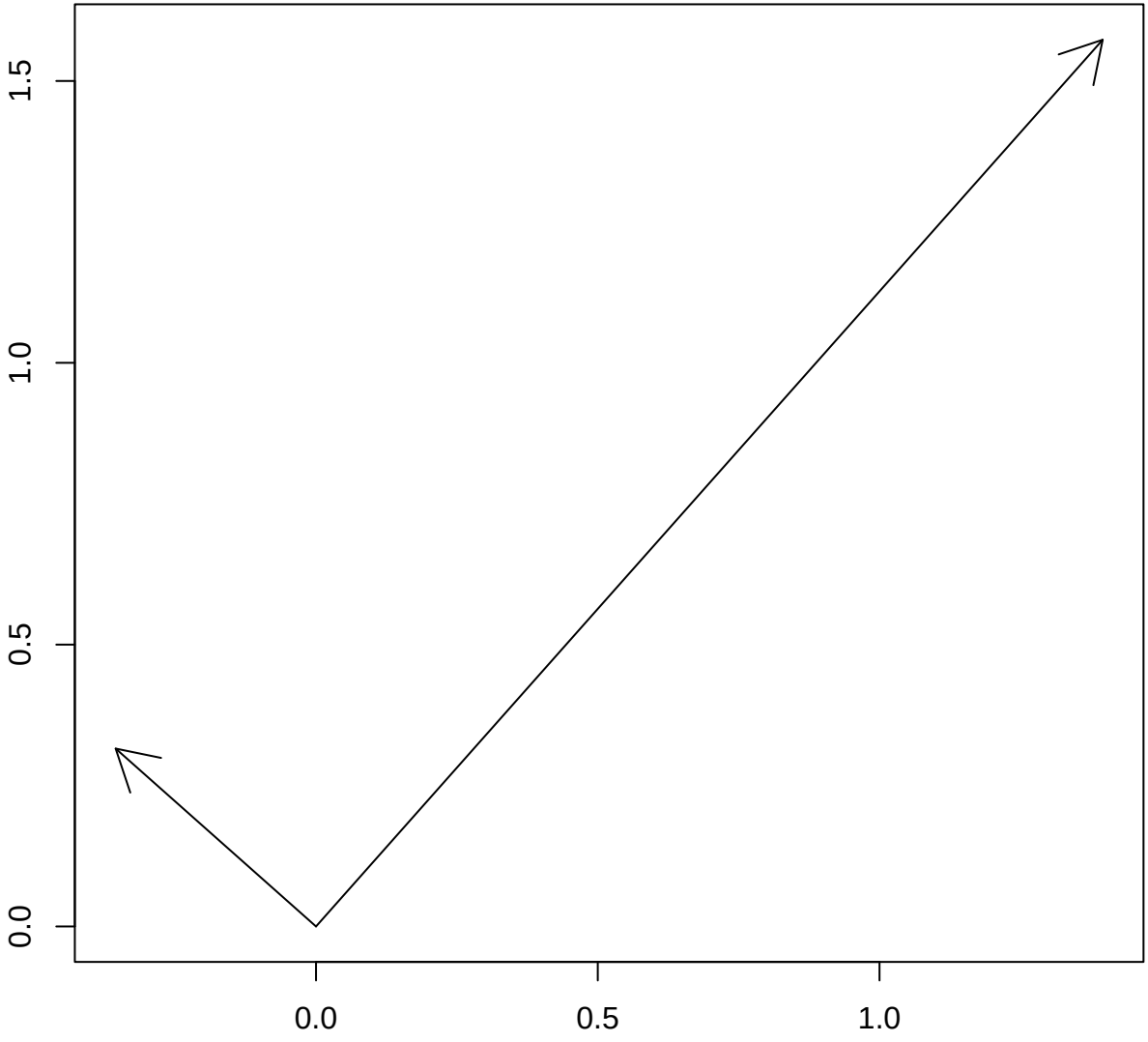
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0.0
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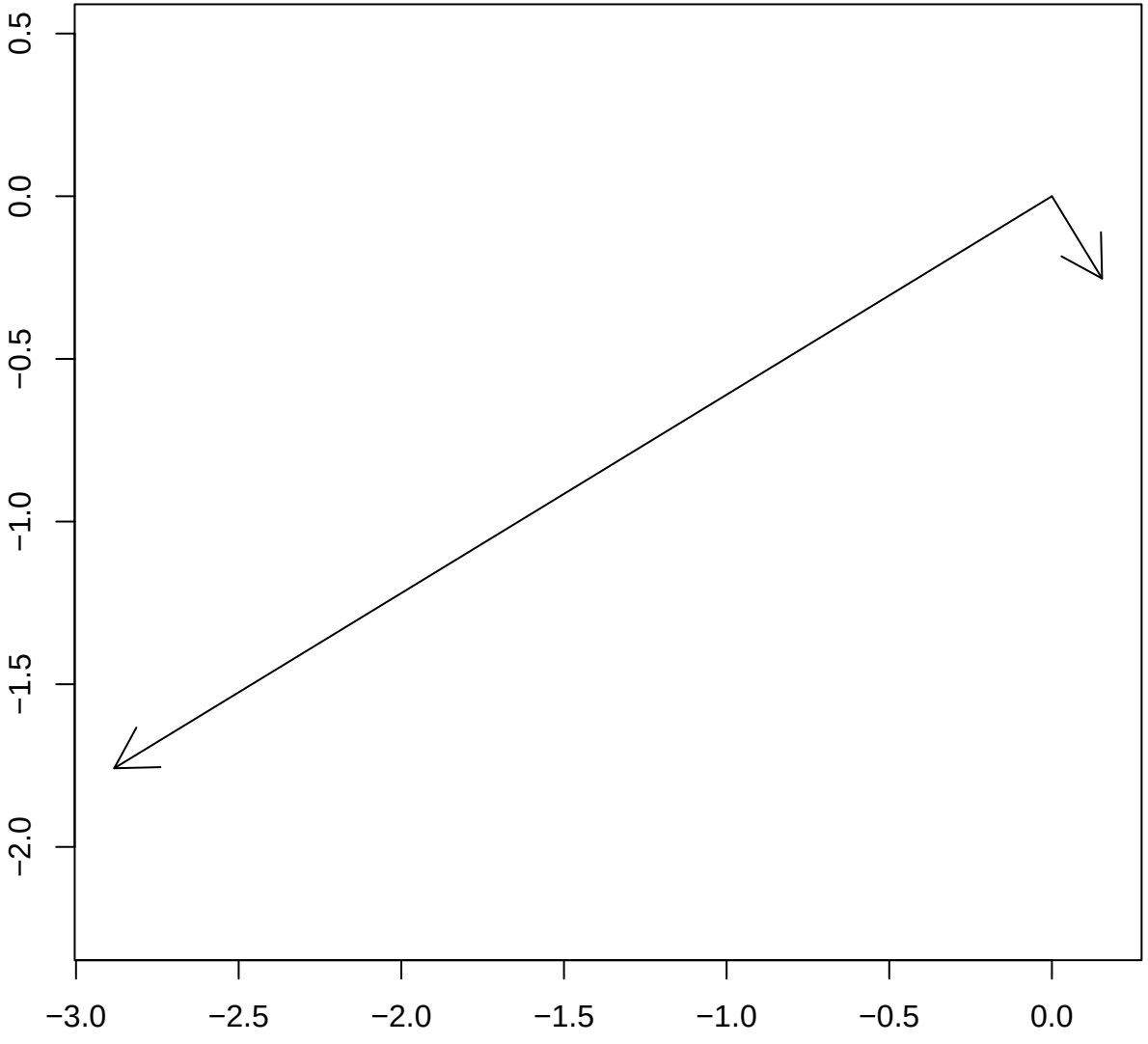
1.0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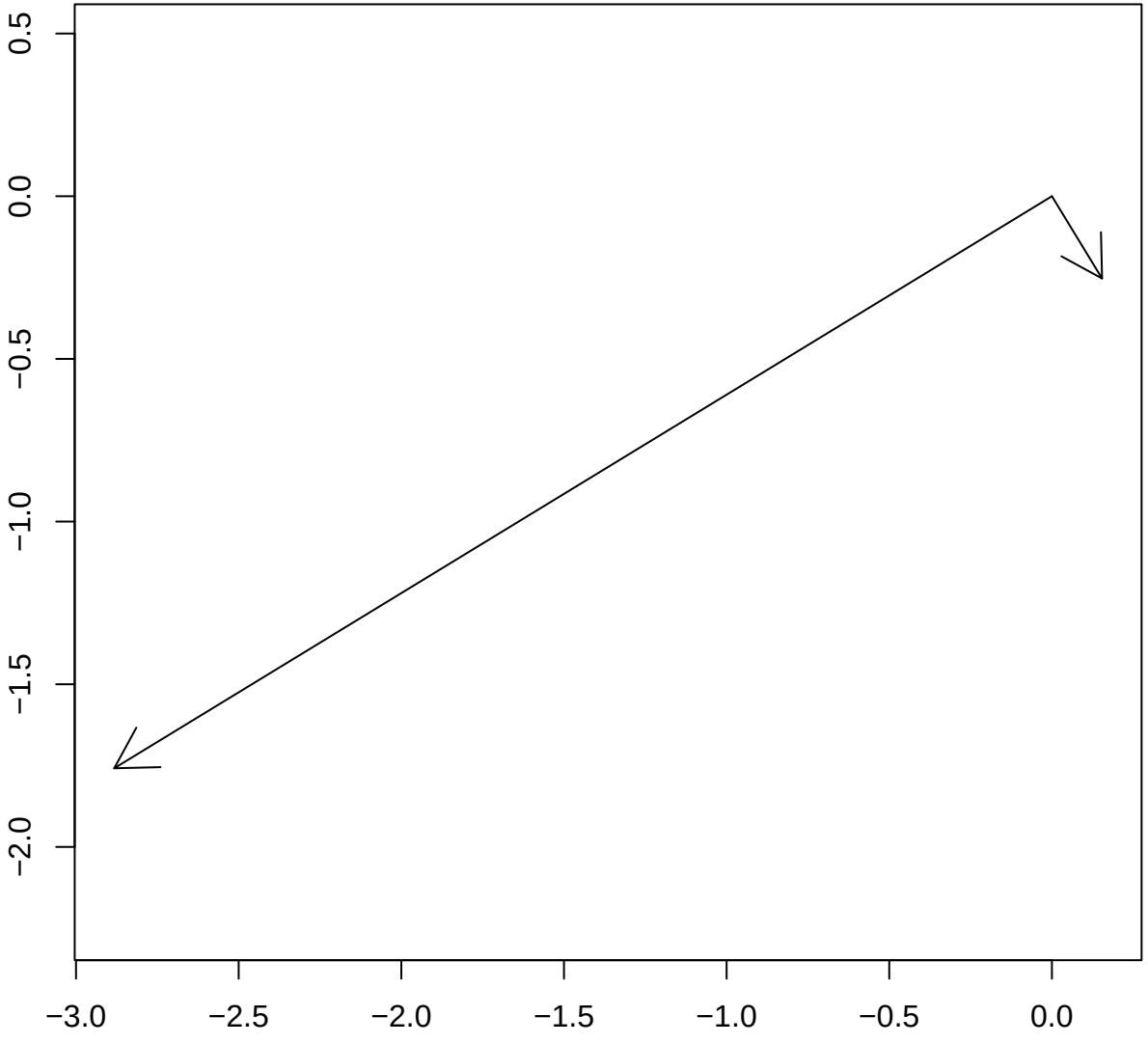
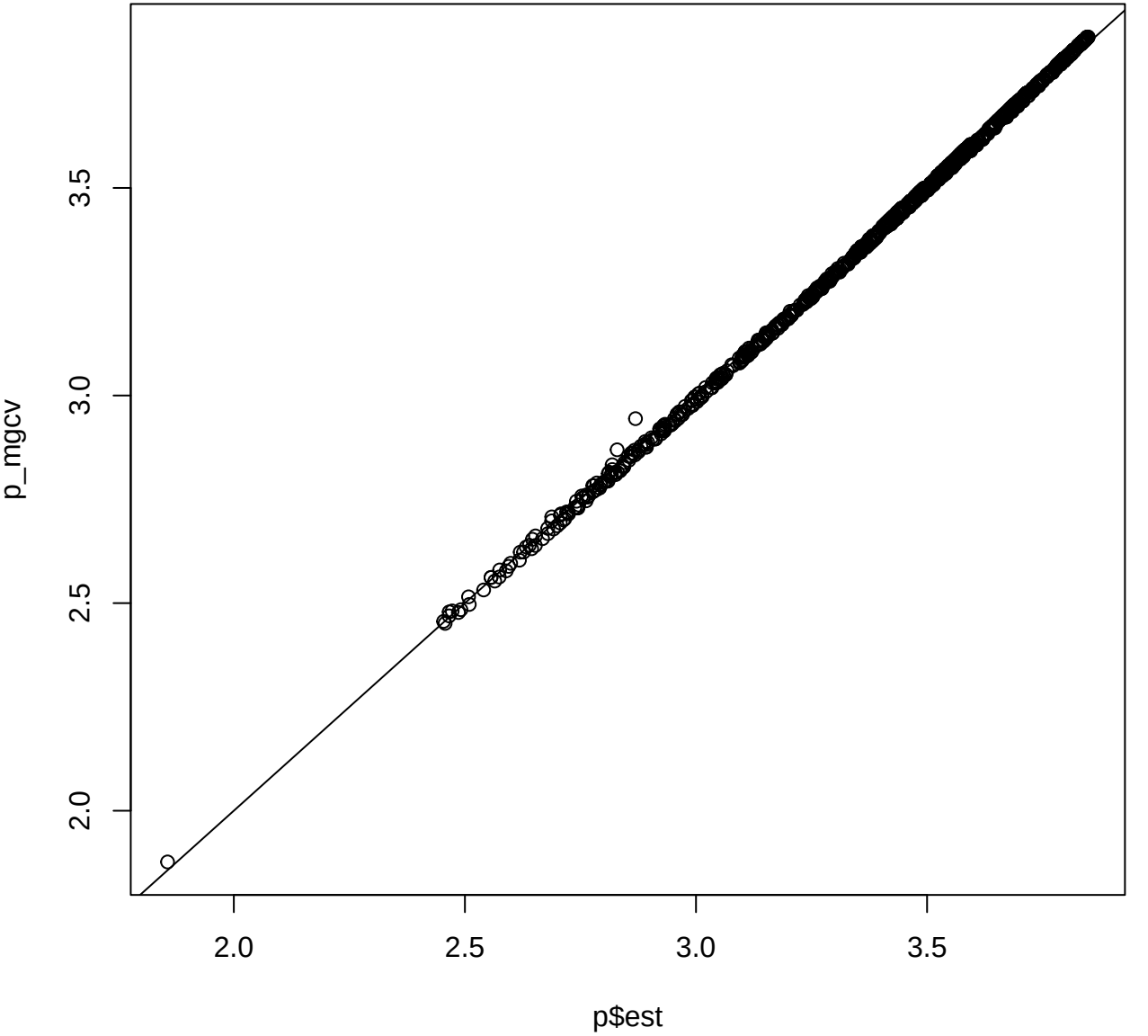
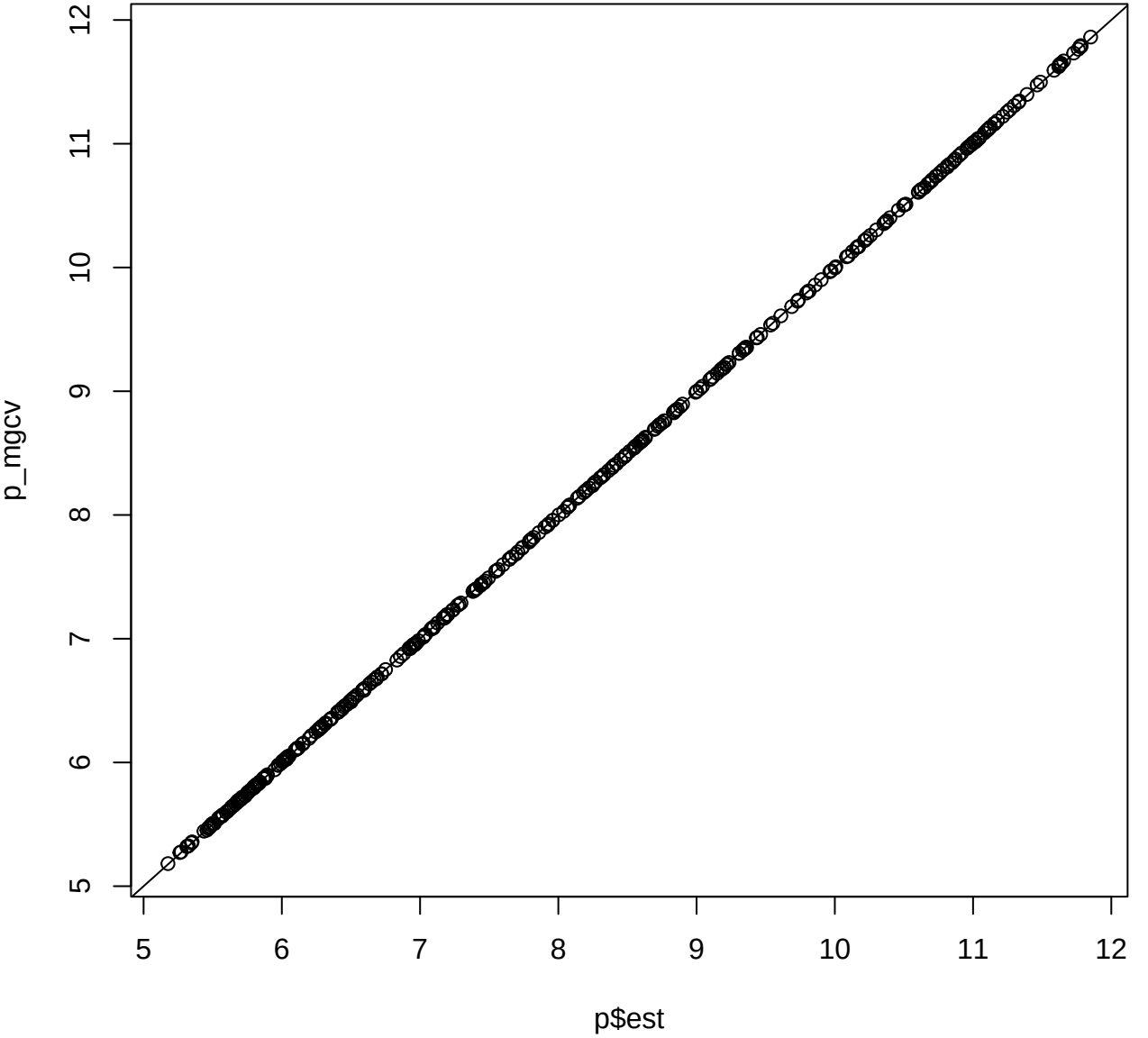
0.0
−0.5
−1.0
−1.5
−2.0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0


0.5
0.0
−0.5
−1.0
−1.5
−2.0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0


p_mgcv
2.0
2.5
3.0
3.5
p$est
2.0
2.5
3.0
3.5


p_mgcv
p$est
5
6
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9
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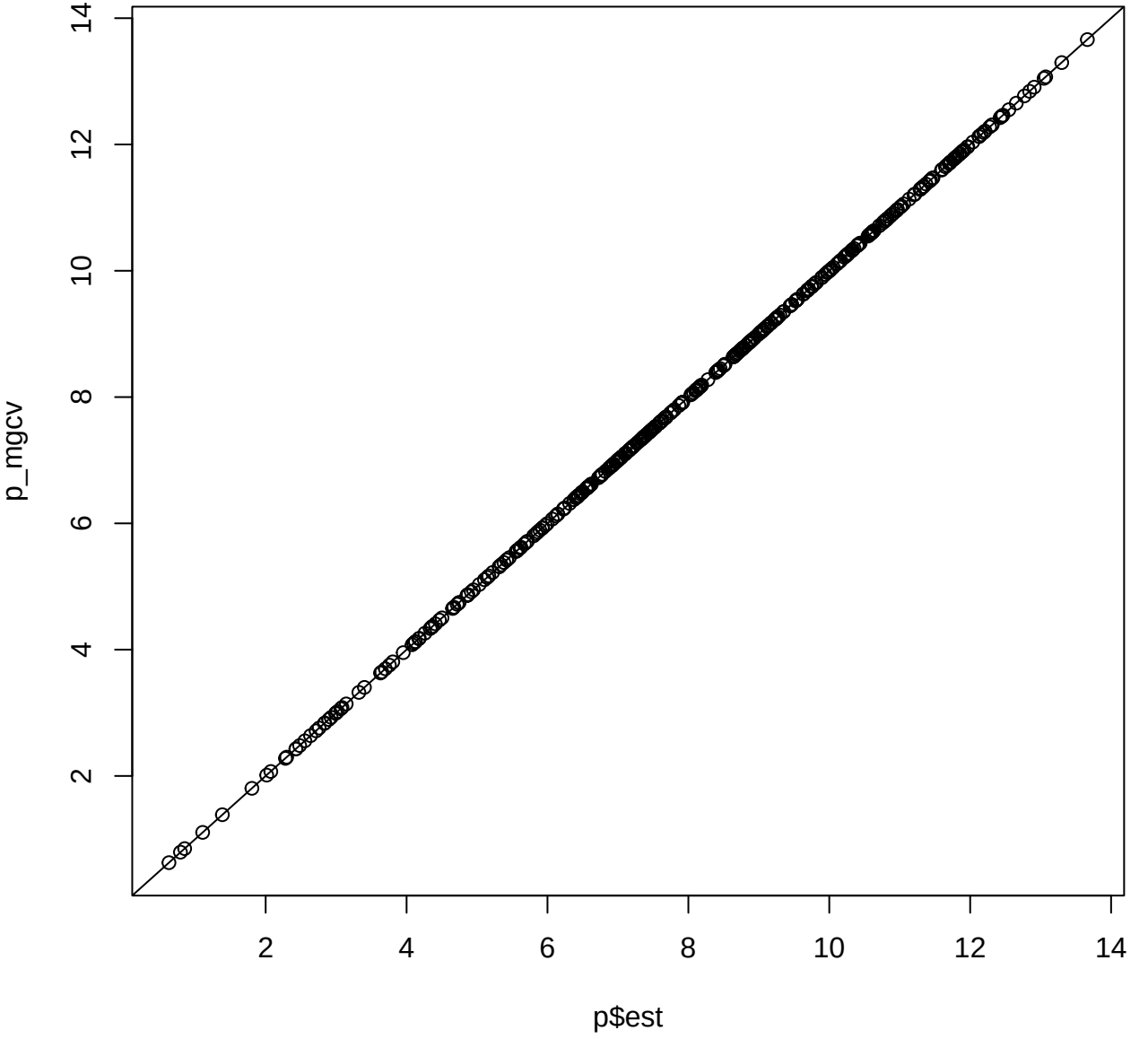
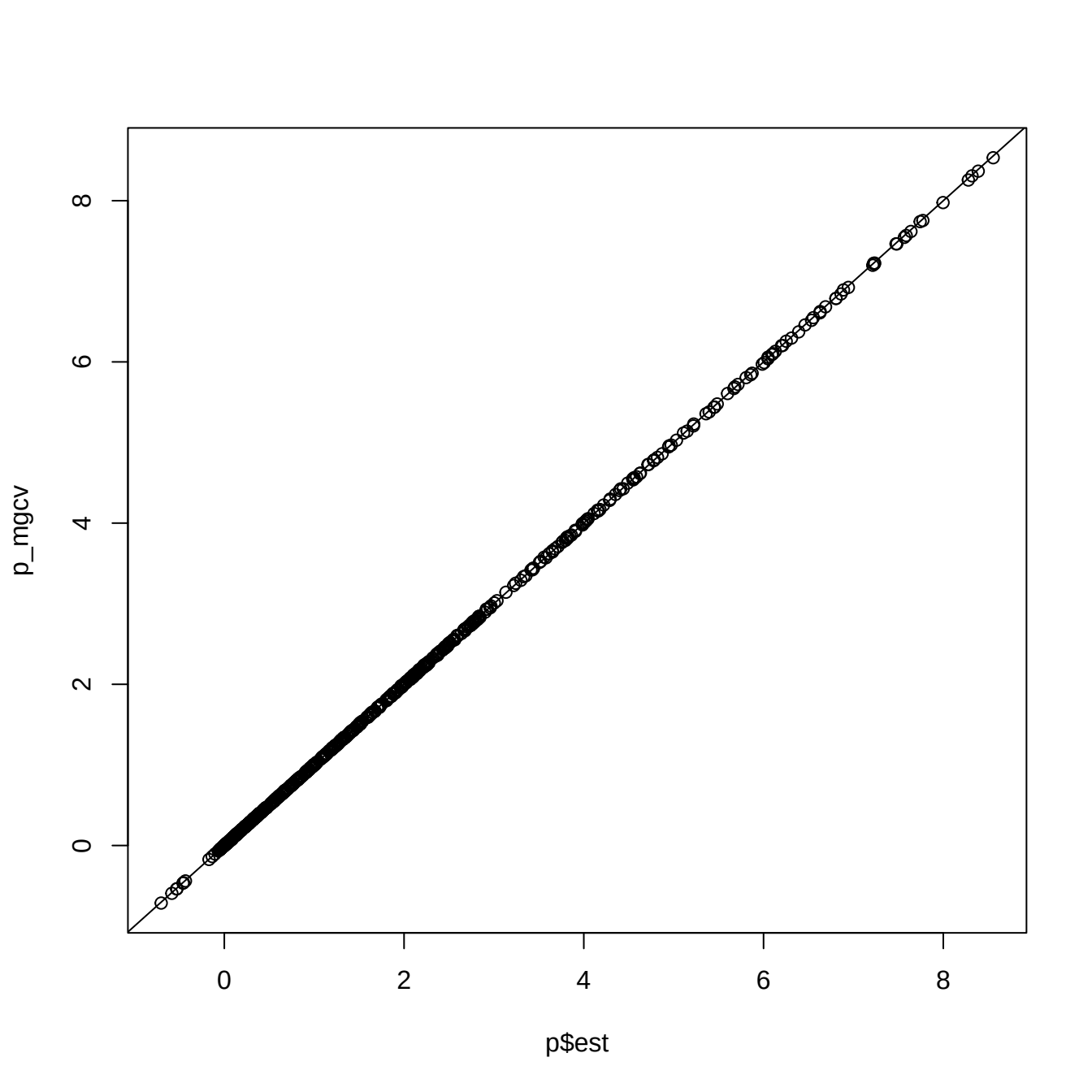
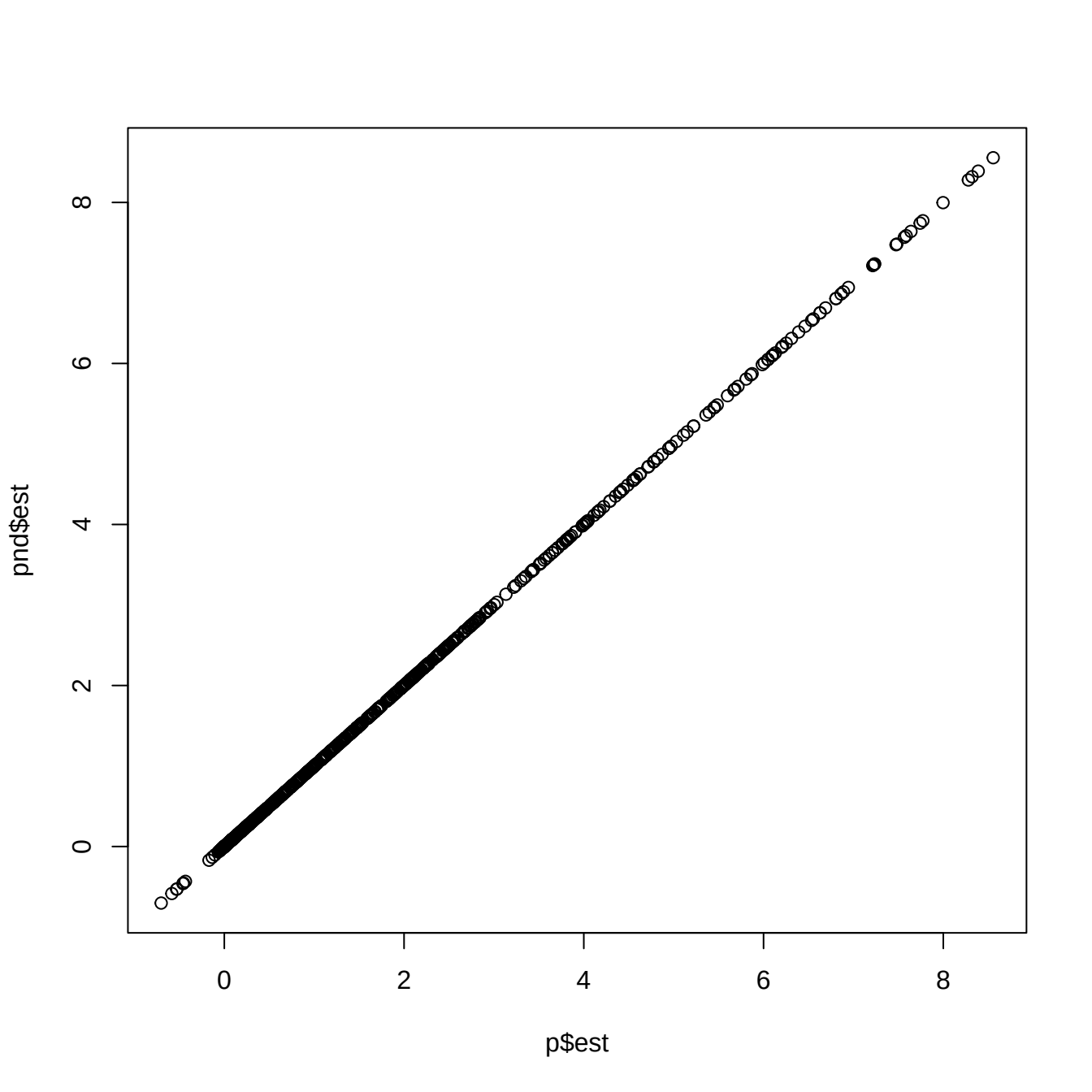
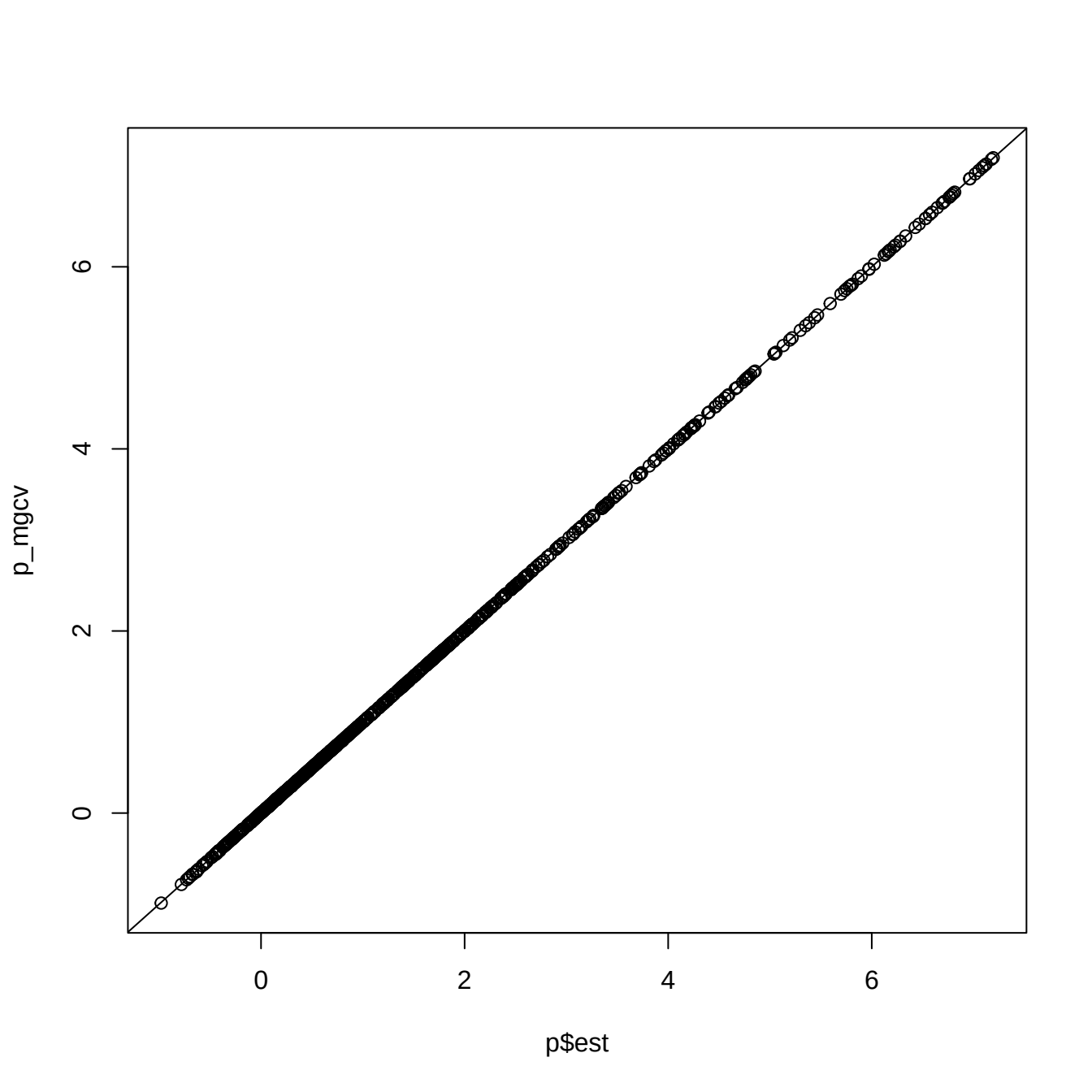
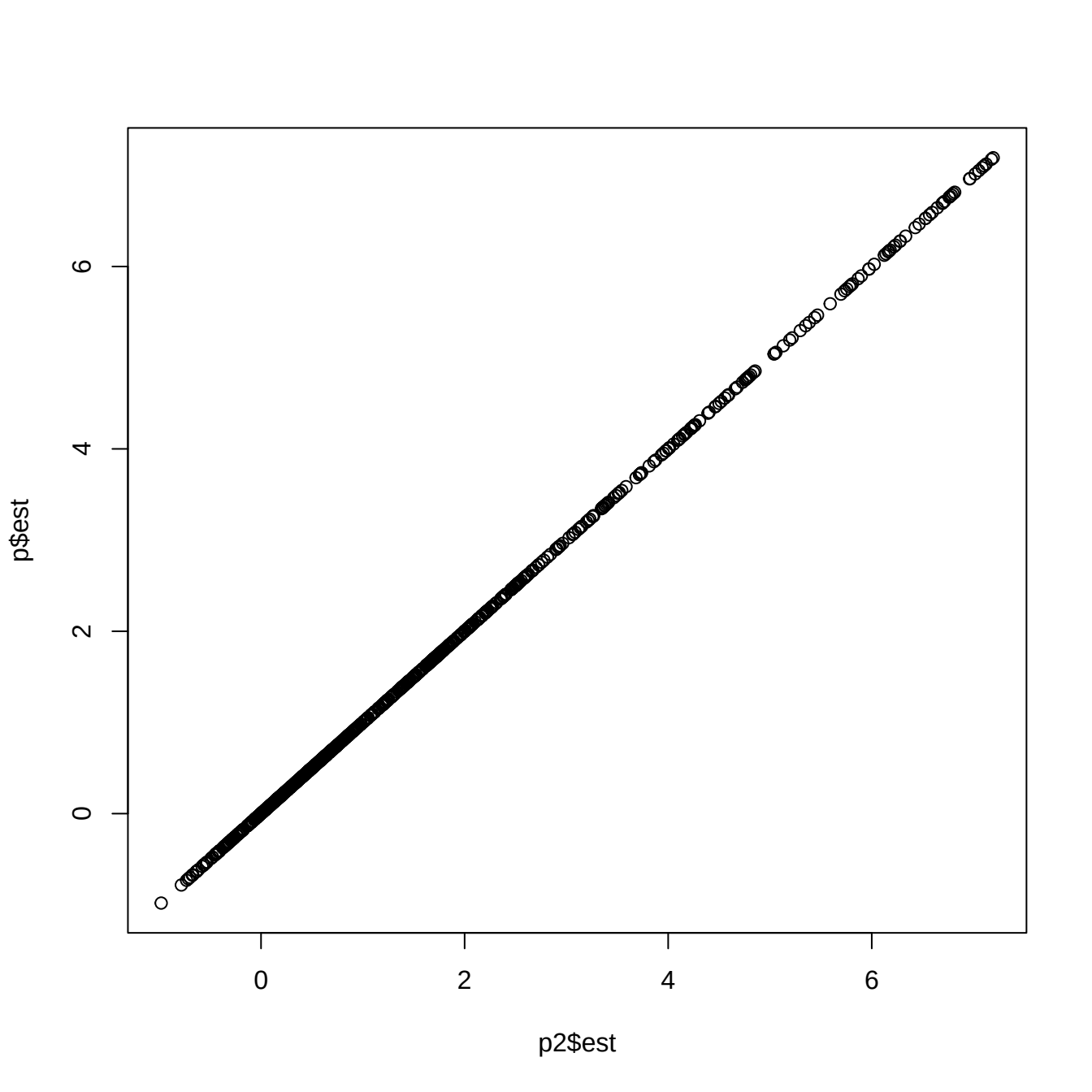
11
12


p_mgcv
p$est
2
4
6
8
10
12
14


p_mgcv
p$est
0
2
4
6
8
0
2
4
6
8


pnd$est
p$est
0
2
4
6
8
0
2
4
6
8


p_mgcv
p$est
0
2
4
6
0
2
4
6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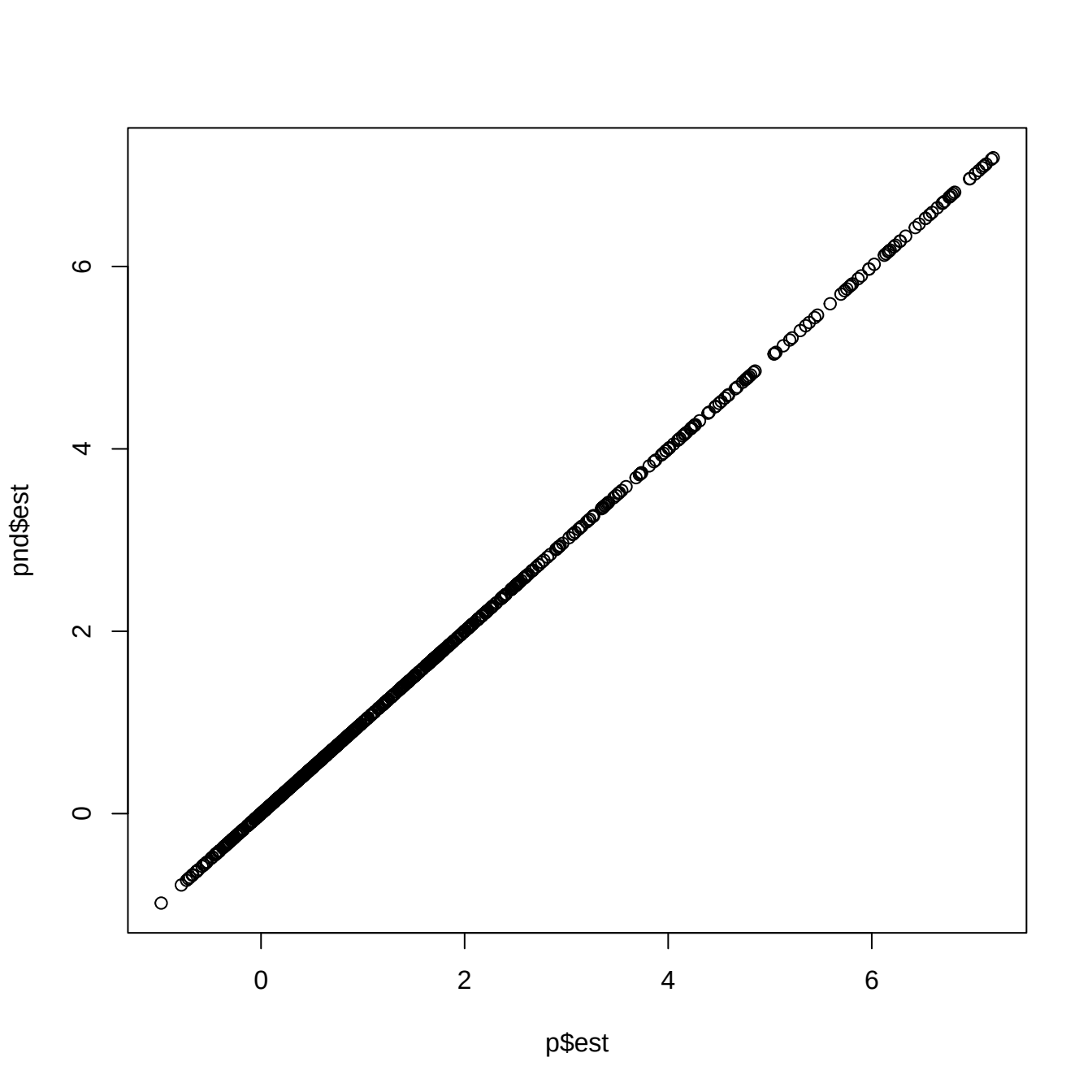
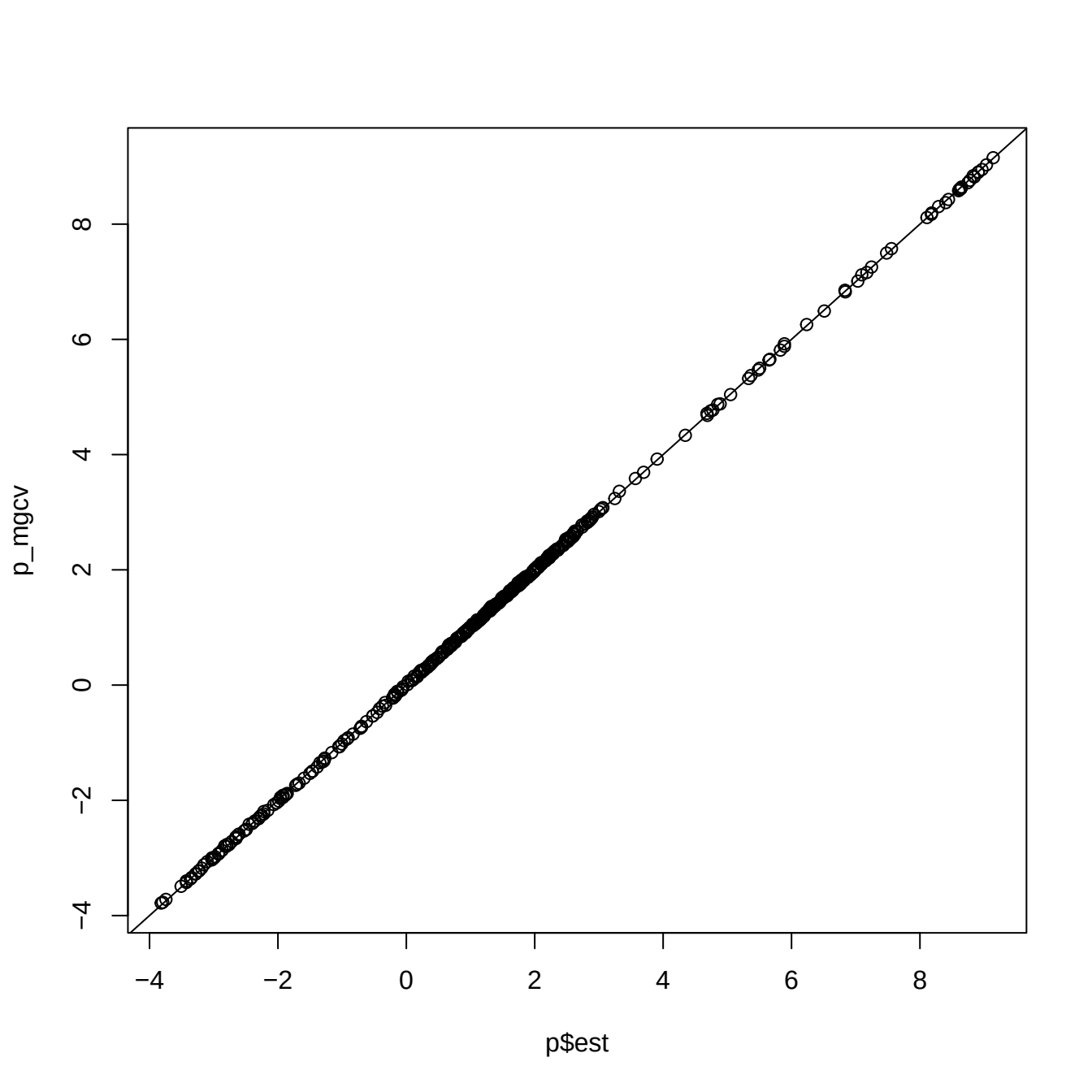
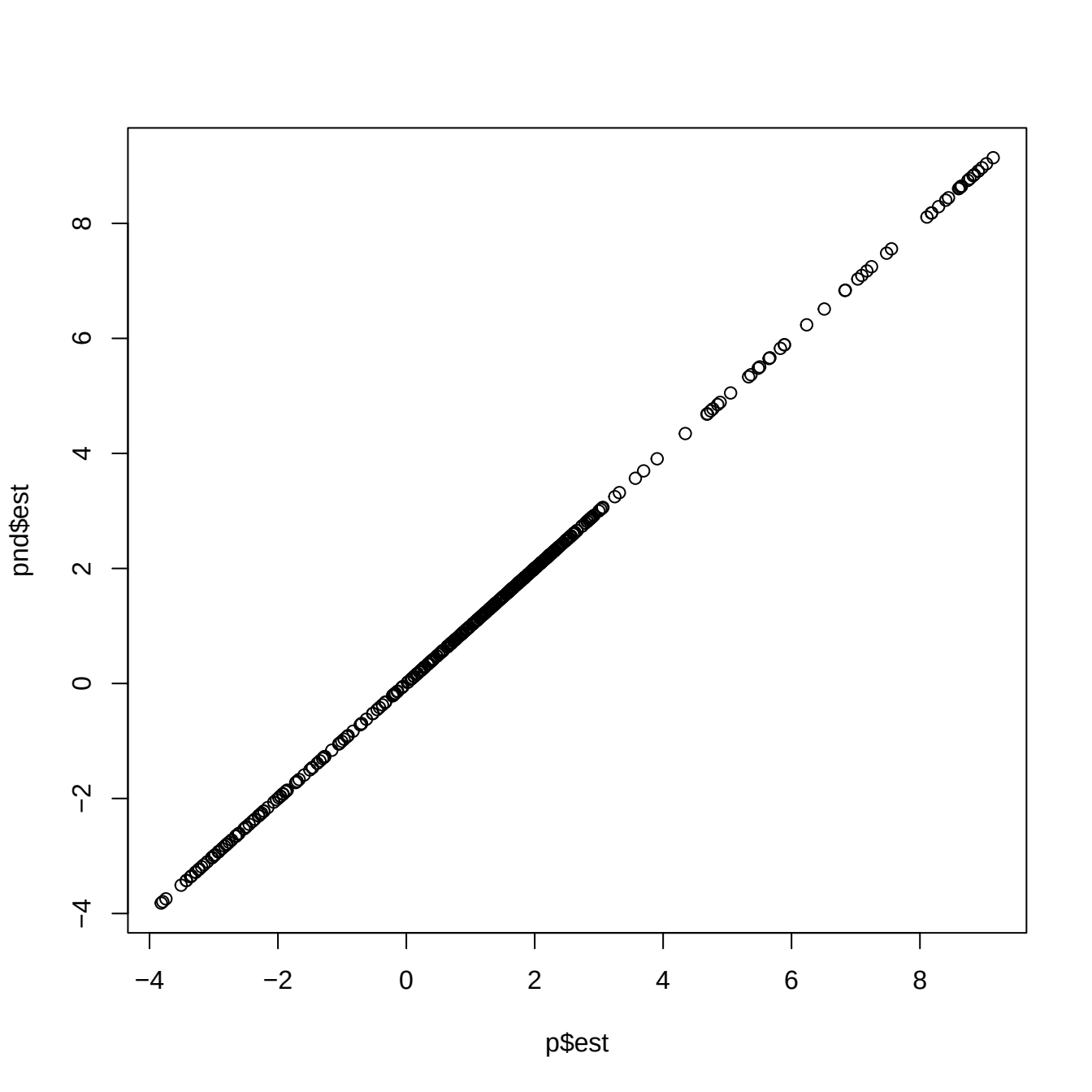
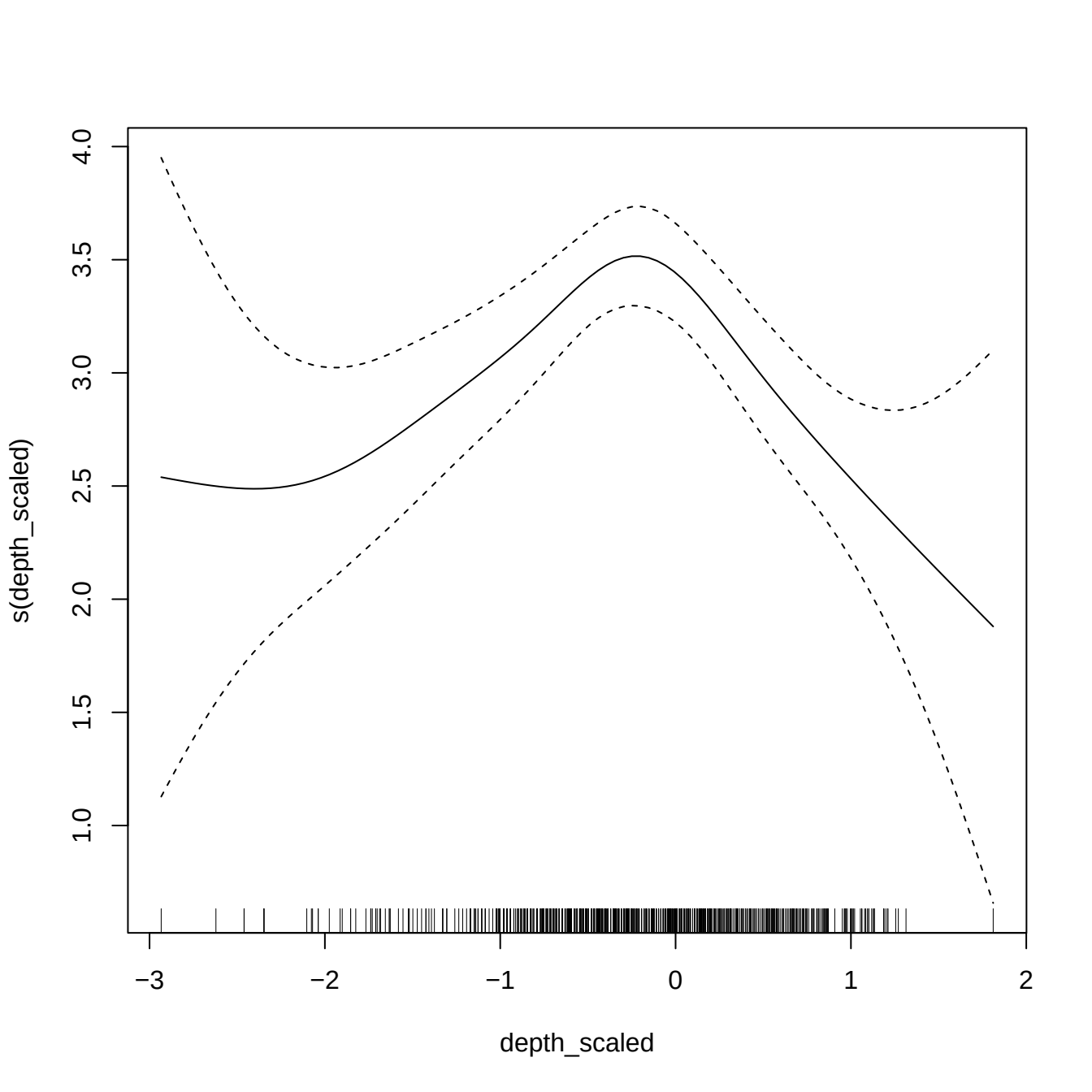
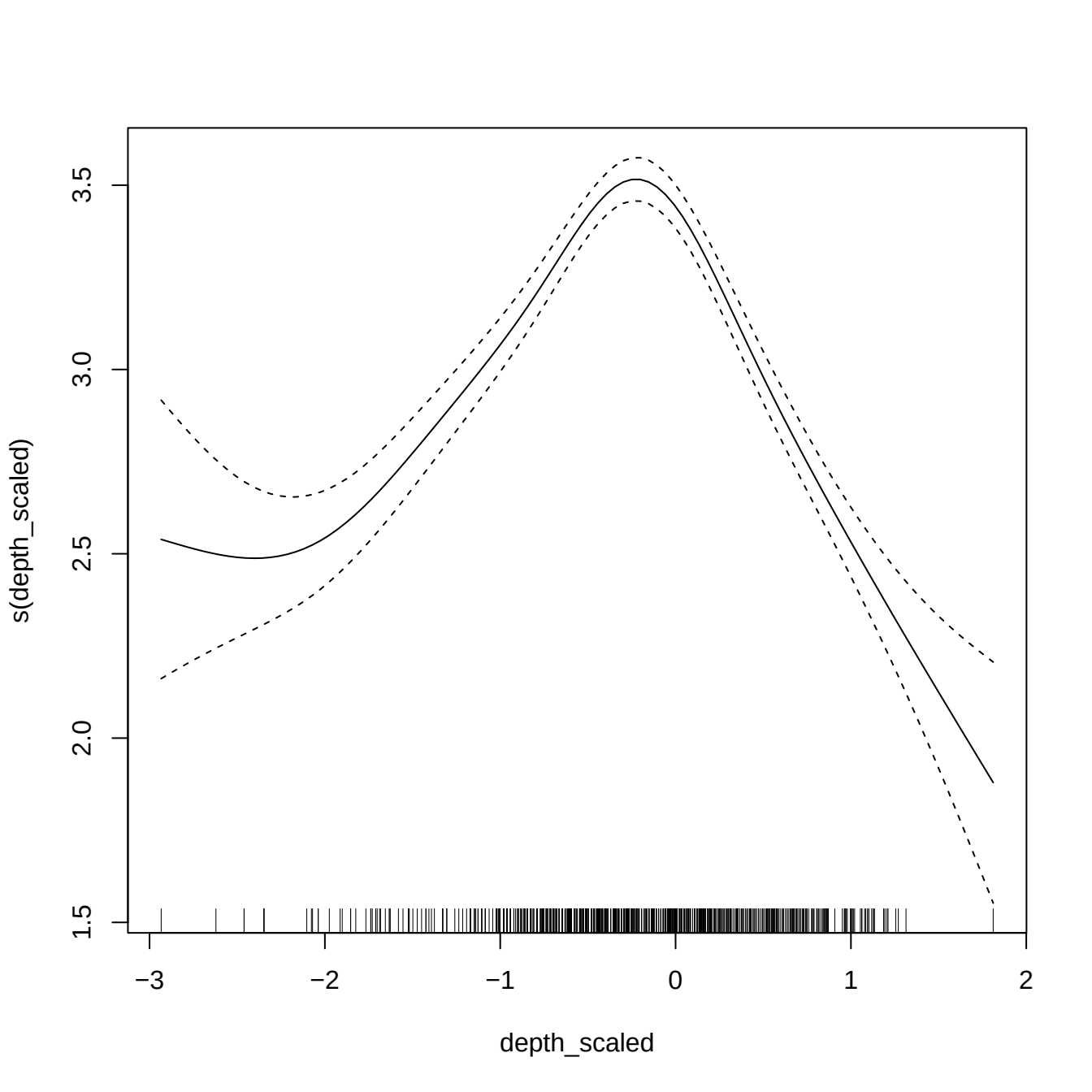
0
2
4
6
p2$est
0
2
4
6

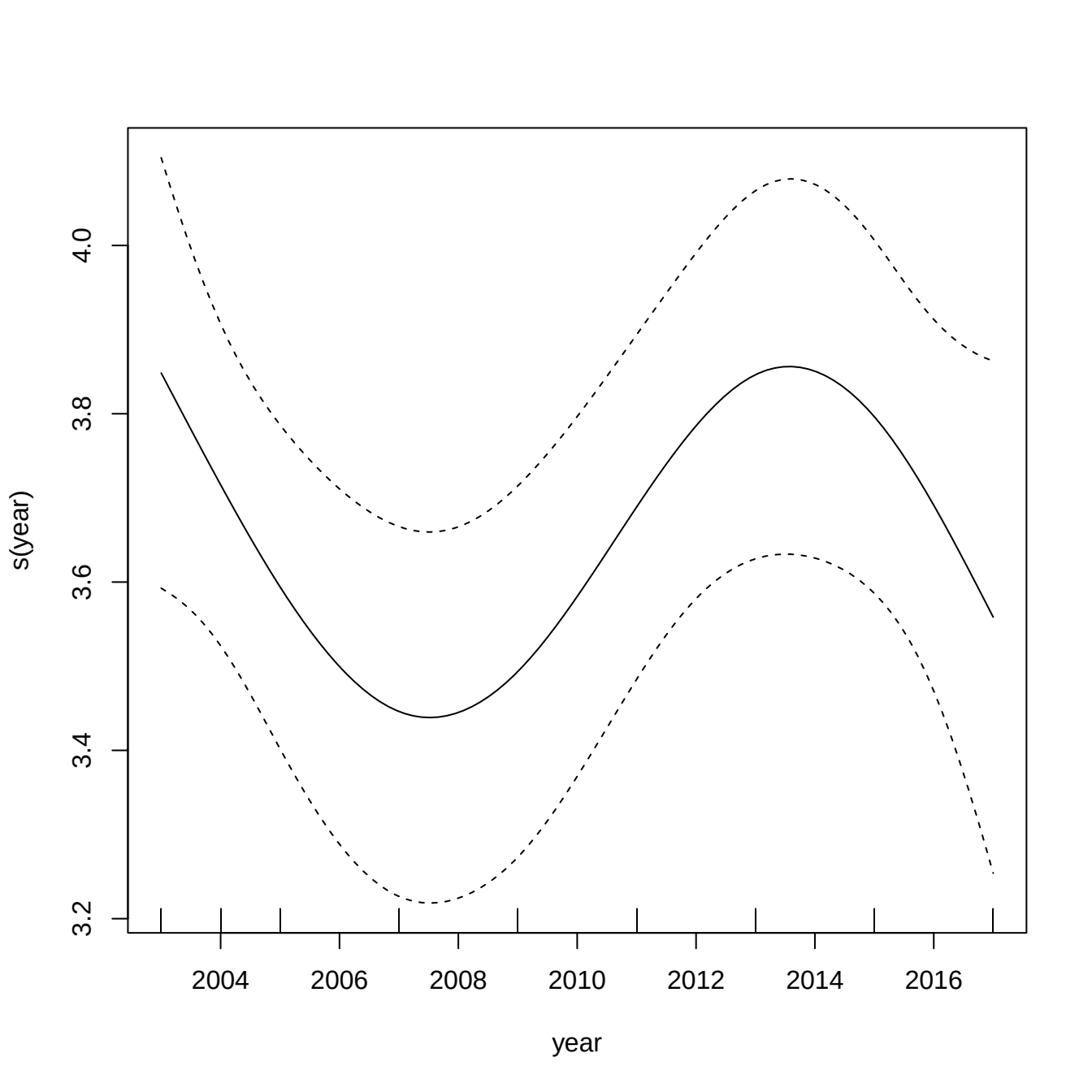

pnd$est
p$est
0
2
4
6
0
2
4
6


p_mgcv
p$est
−4
−2
0
2
4
6
8


pnd$est
p$est
−4
−2
0
2
4
6
8


s(depth_scaled)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
−3
−2
−1
0
1
2
depth_scaled


s(depth_scaled)
3.5
3.0
2.5
2.0
1.5
−3
−2
−1
0
1
2
depth_scaled


s(year)
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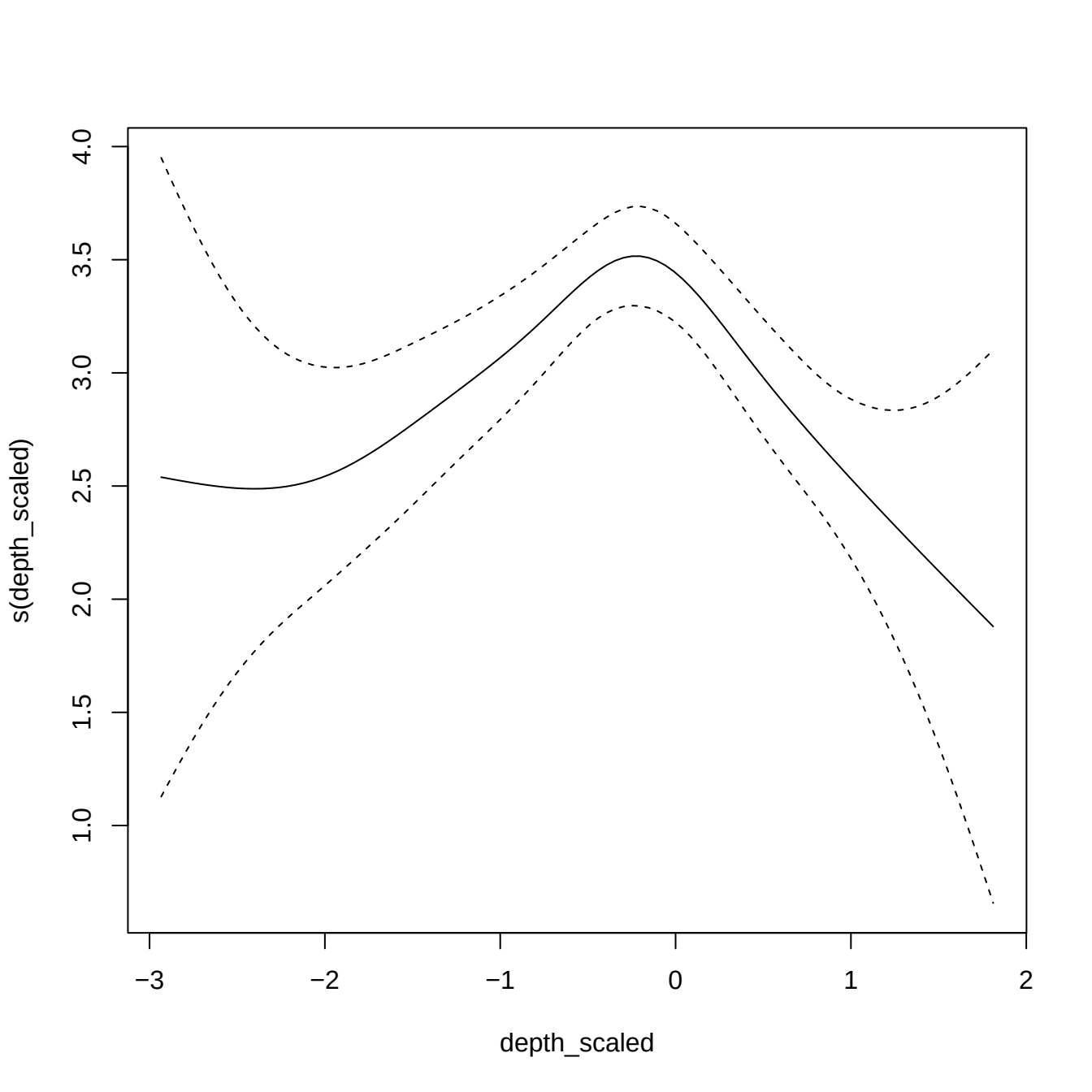
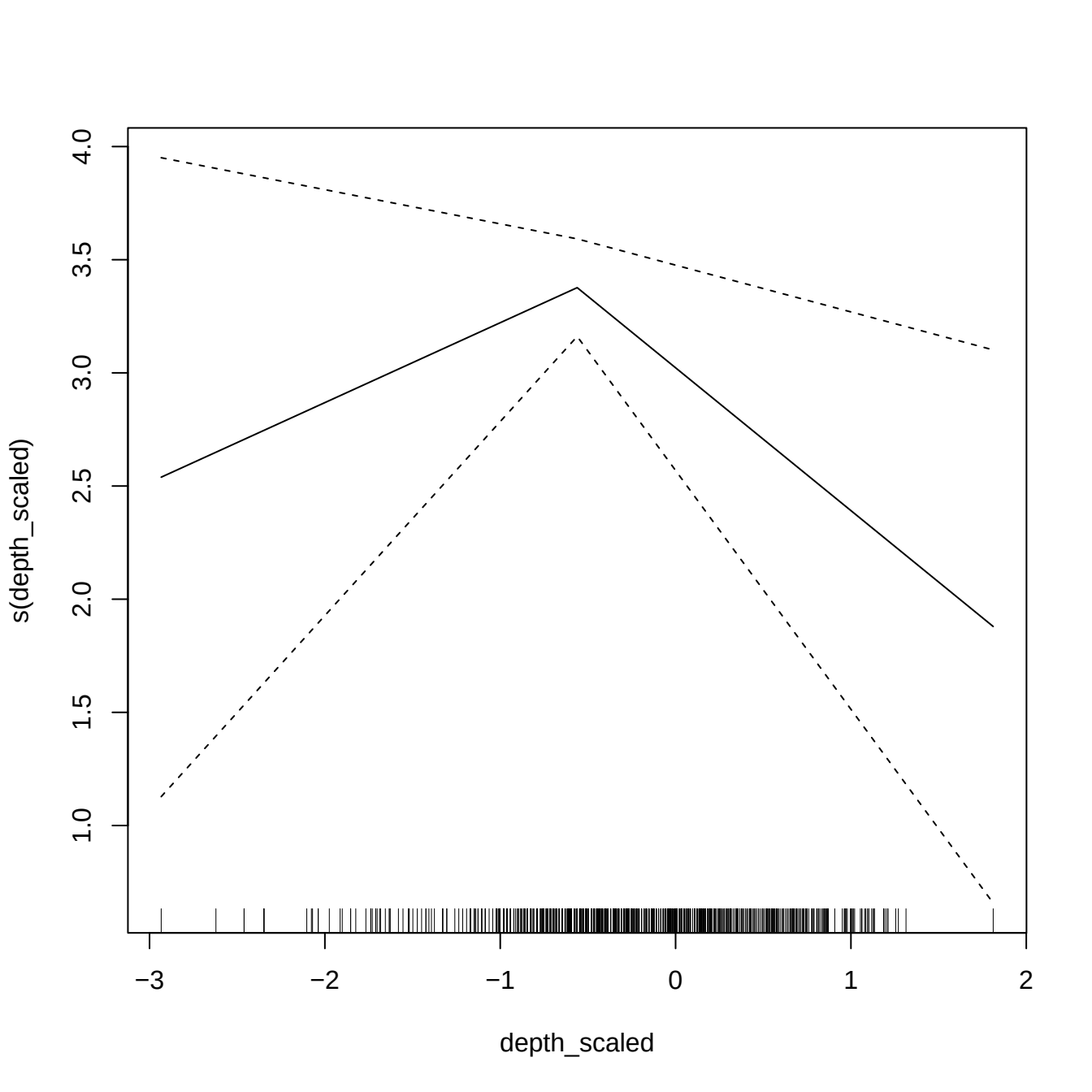
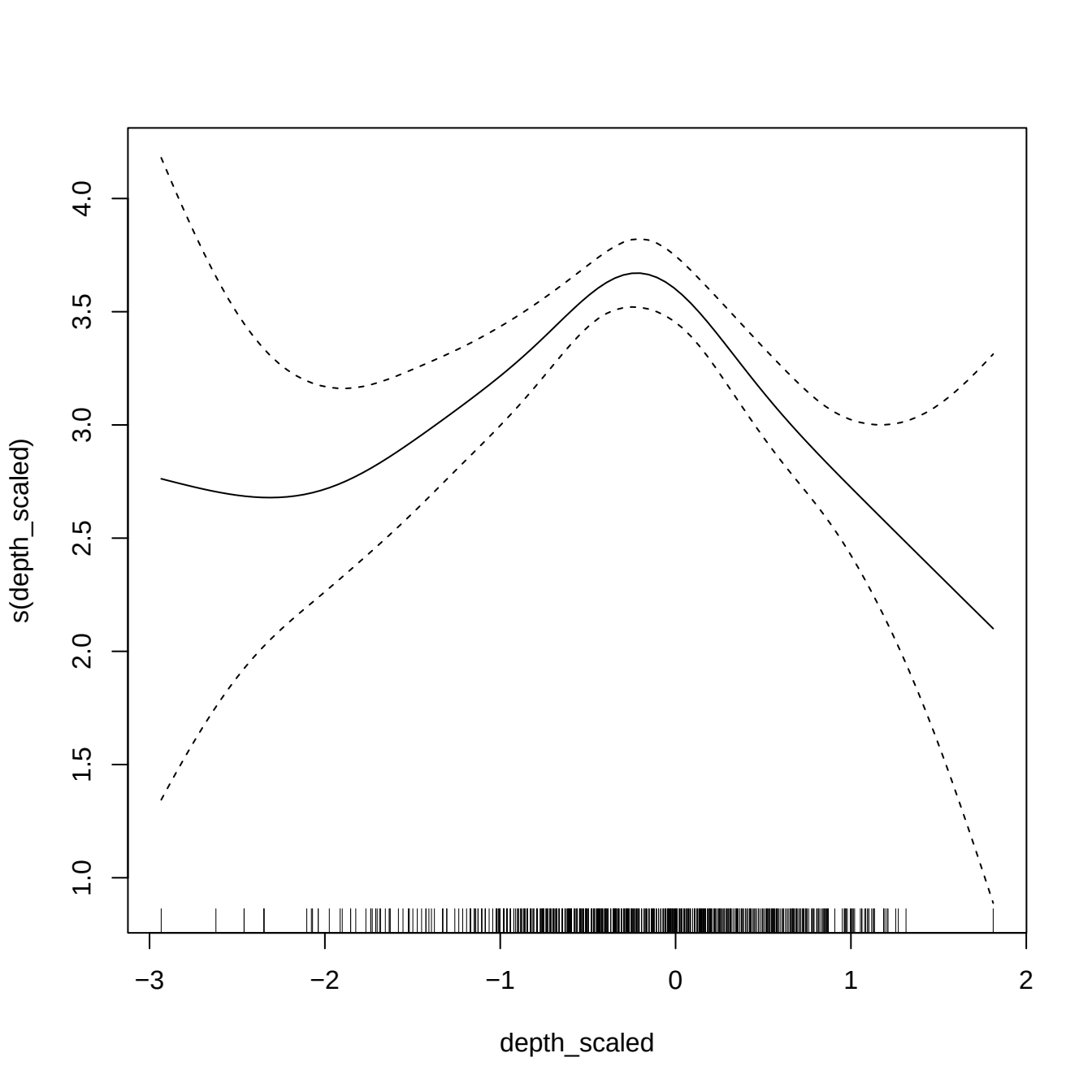
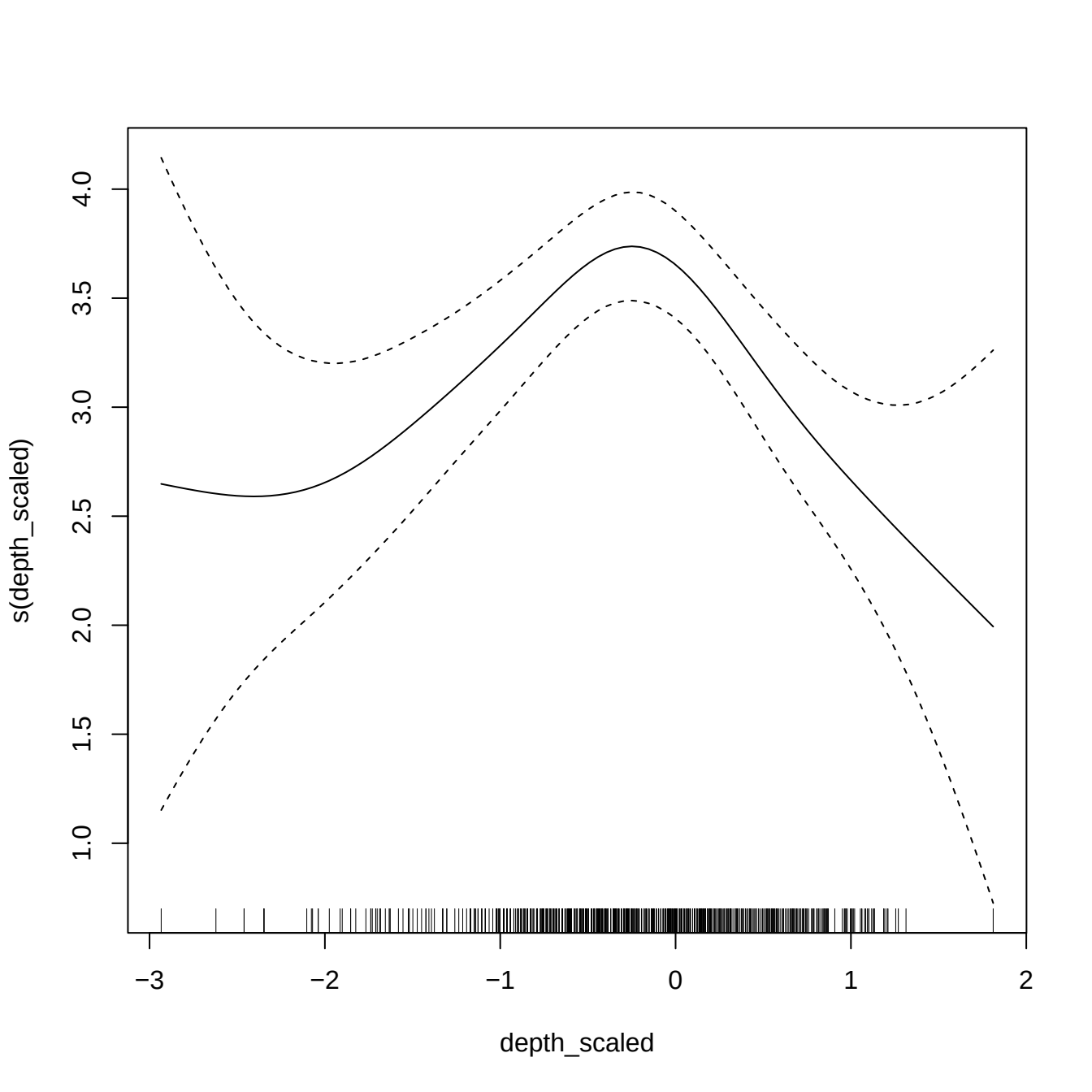
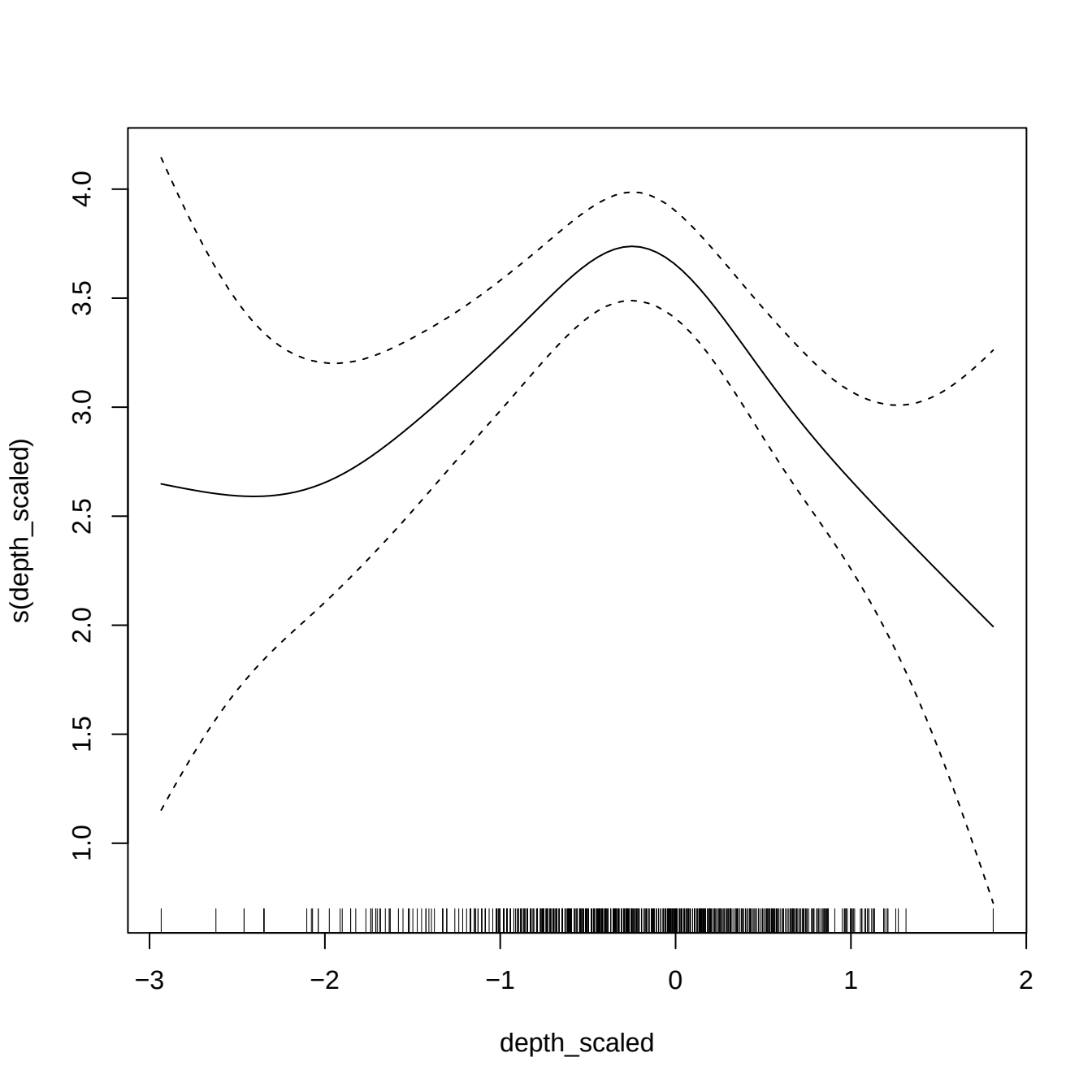
3.8
3.6
3.4
3.2
2004
2006
2008
2010
2012
2014
2016
year

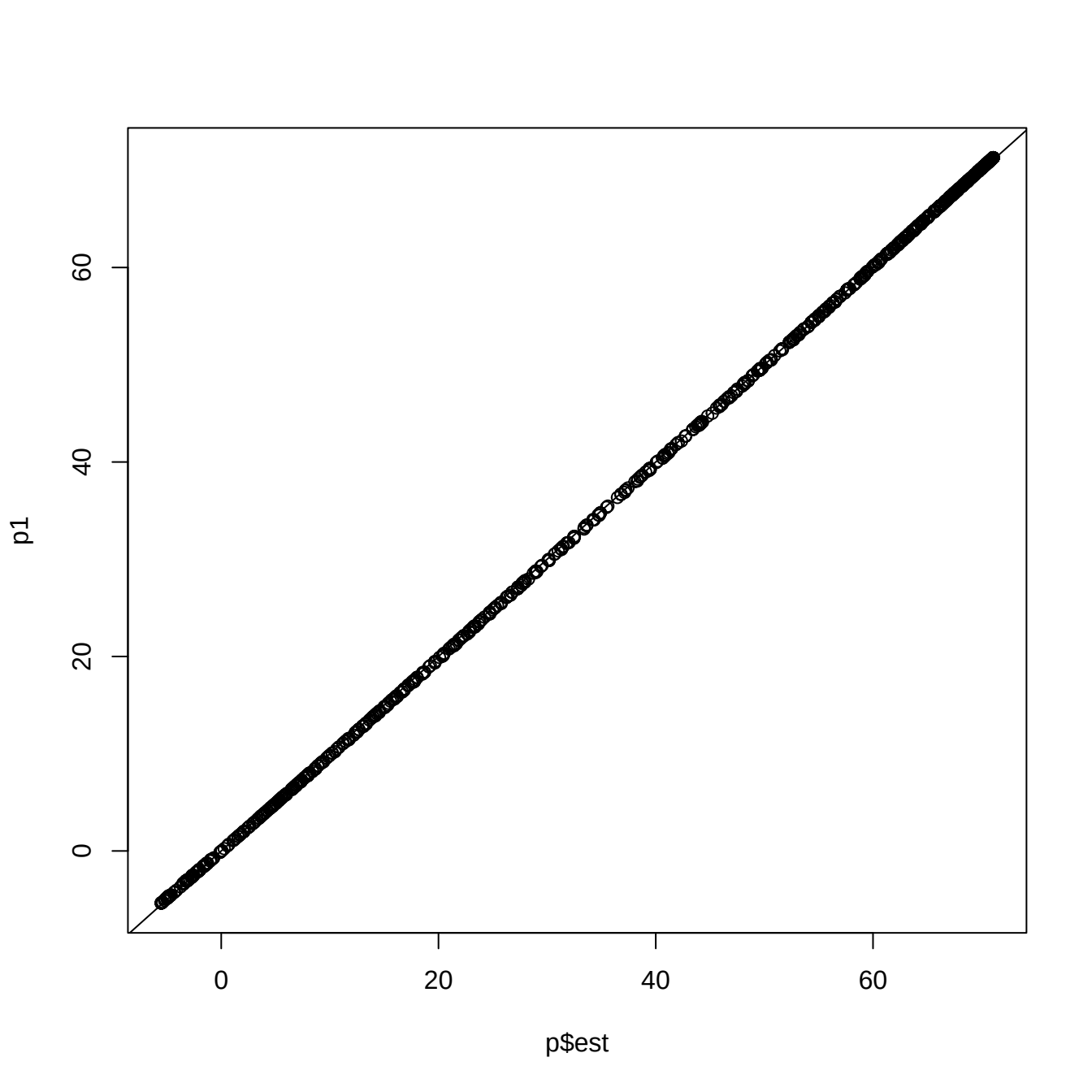

s(depth_scaled)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
−3
−2
−1
0
1
2
depth_scaled

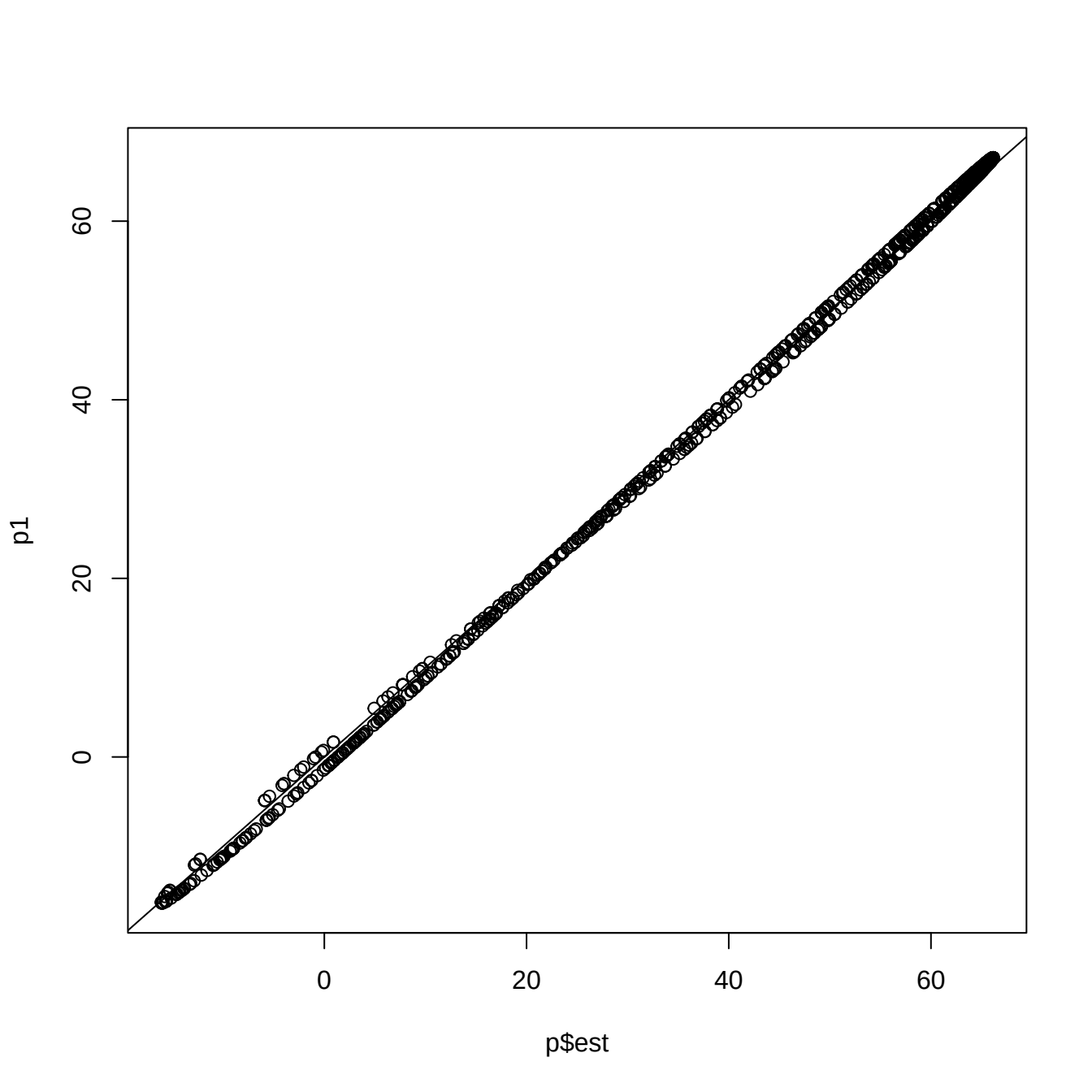

s(depth_scaled)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
−3
−2
−1
0
1
2
depth_scaled


s(depth_scaled)
1.0
1.5
2.0
2.5
3.0
3.5
4.0
−3
−2
−1
0
1
2
depth_scaled


s(depth_scaled)
1.0
1.5
2.0
2.5
3.0
3.5
4.0
−3
−2
−1
0
1
2
depth_scaled


s(depth_scaled)
1.0
1.5
2.0
2.5
3.0
3.5
4.0
−3
−2
−1
0
1
2
depth_scaled


p1
0
20
40
60
0
20
40
60
p$est


p1
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60
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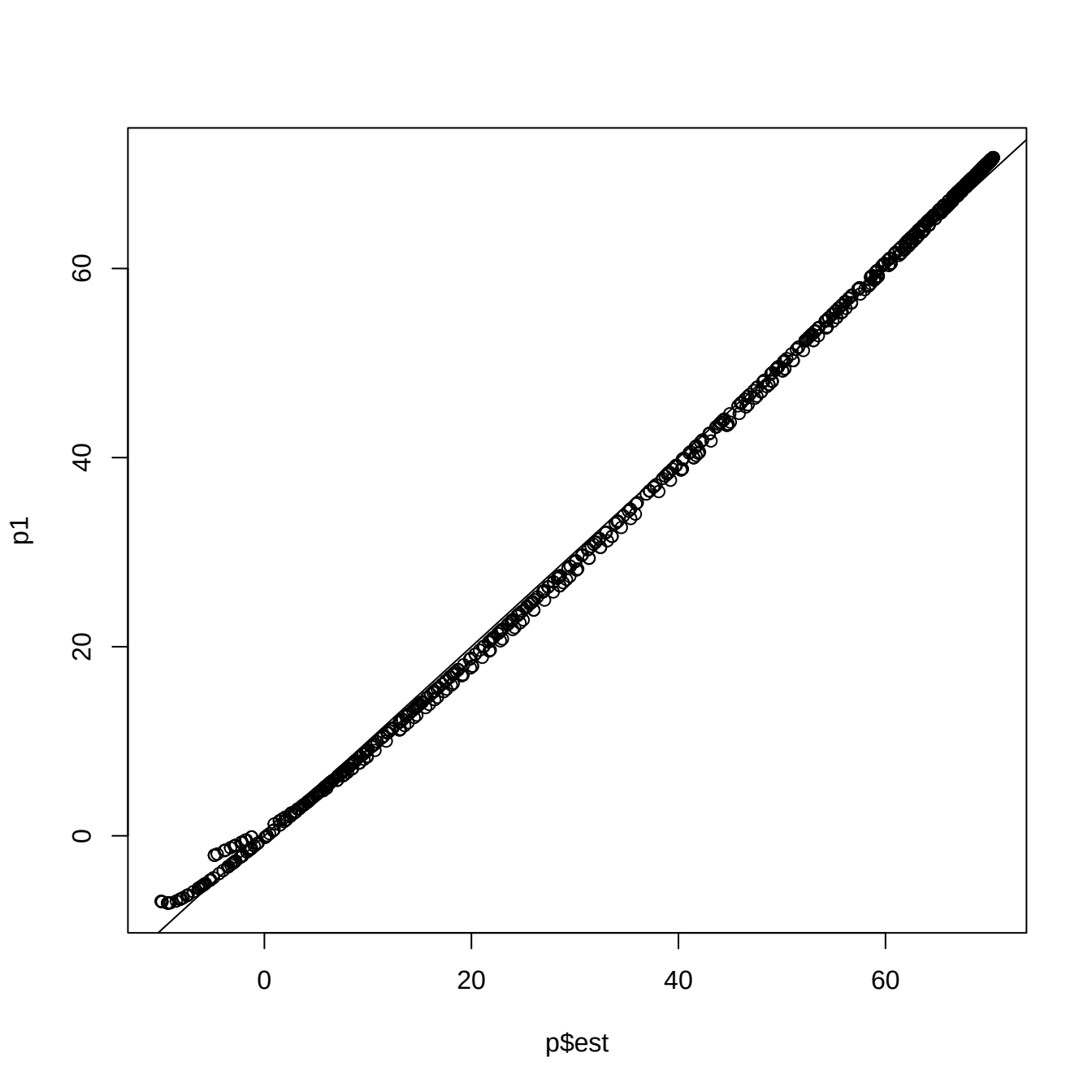
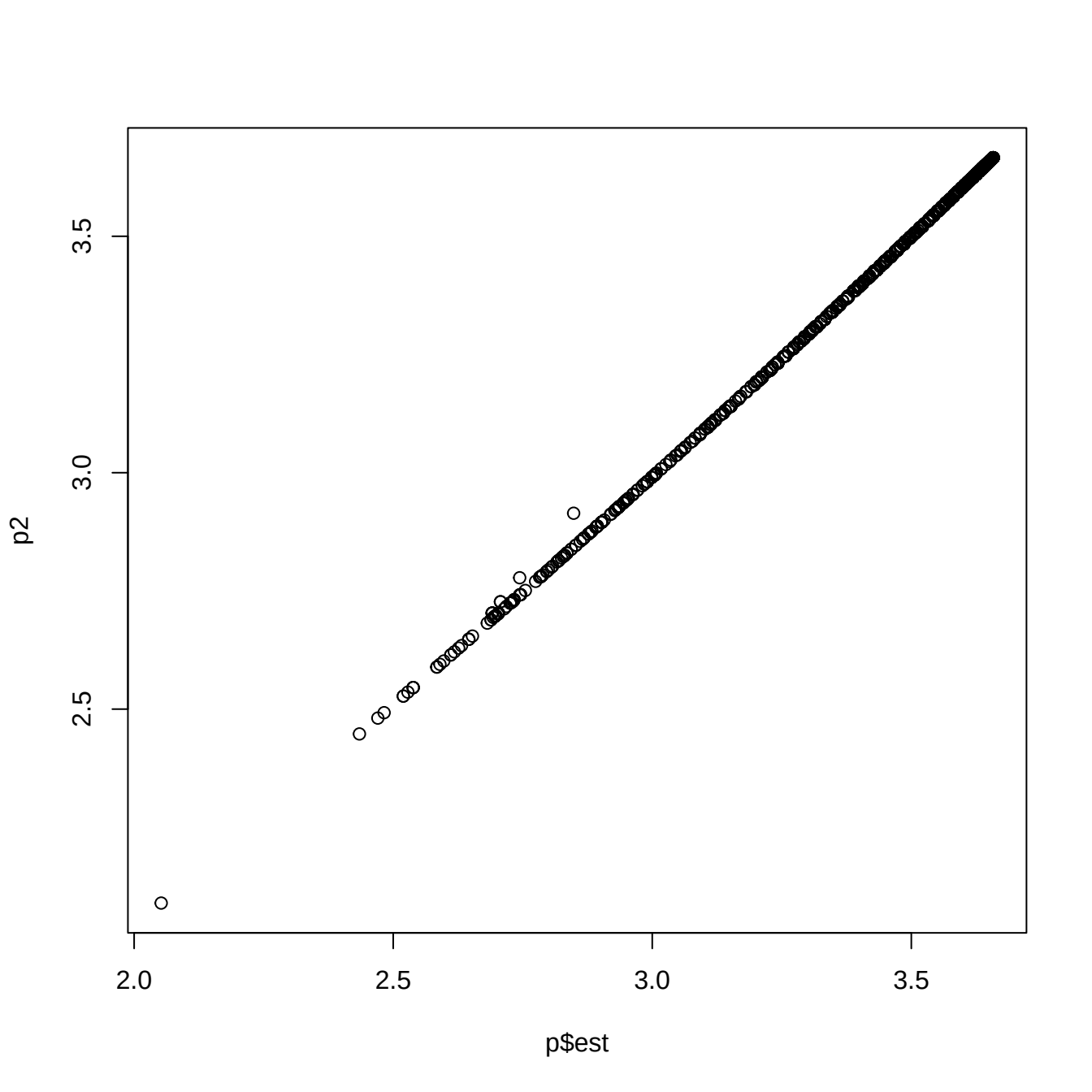
20
40
60
p$est


p1
0
20
40
60
0
20
40
60
p$est


p2
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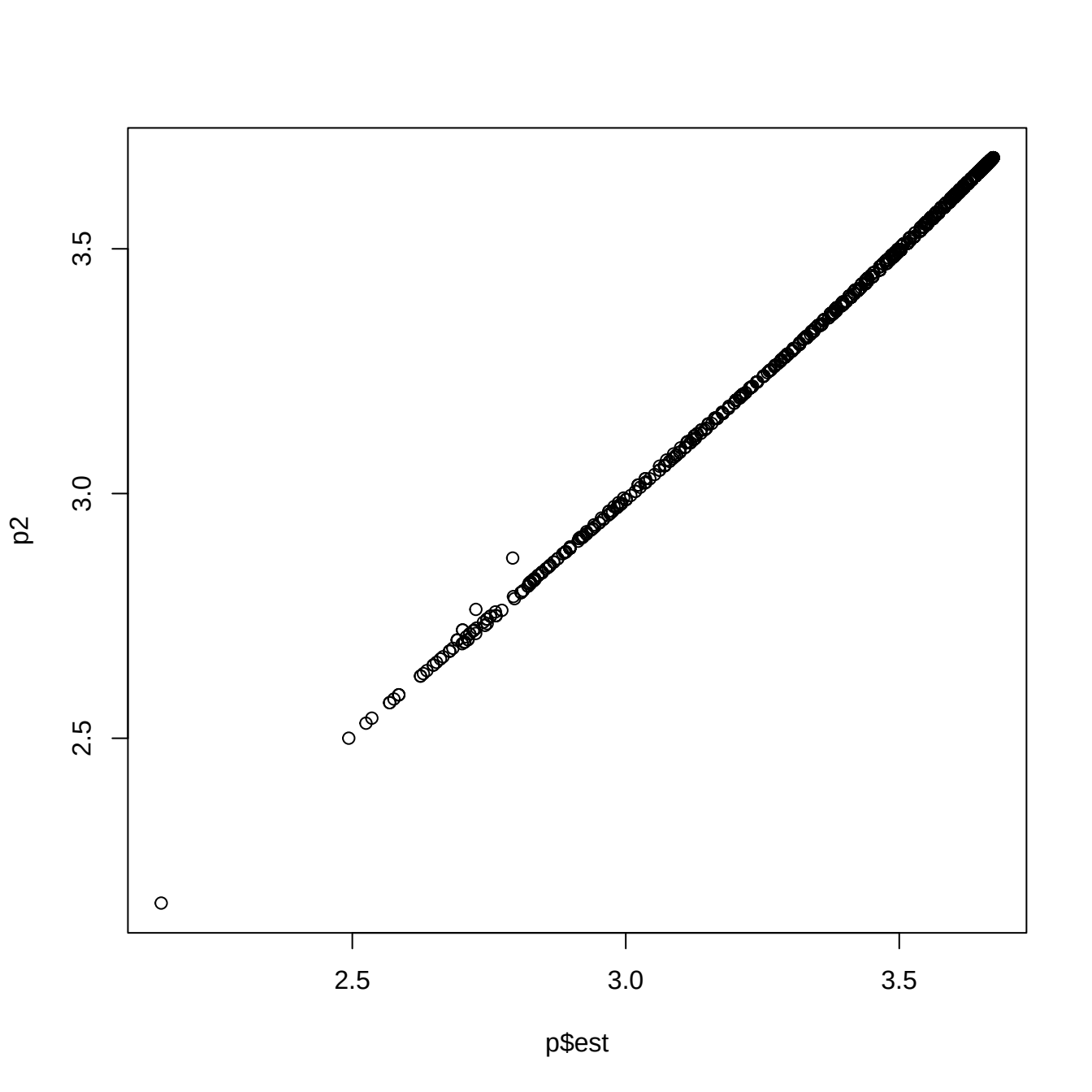
2.5
2.0
2.5
3.0
3.5
p$est


p2
3.5
3.0
2.5
2.5
3.0
3.5
p$est