

Colorless green ideas 2019

State Trace Analysis



Law

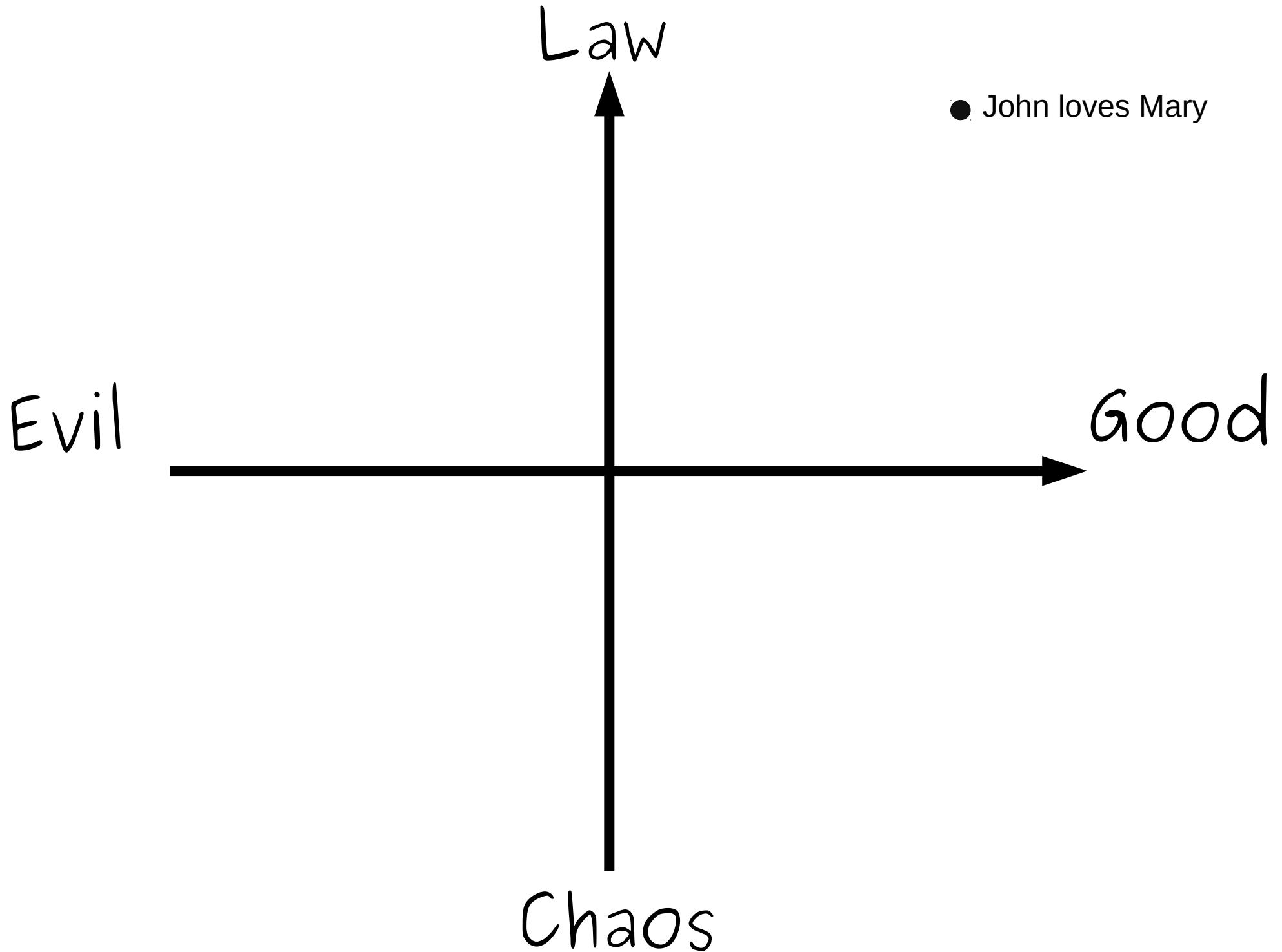


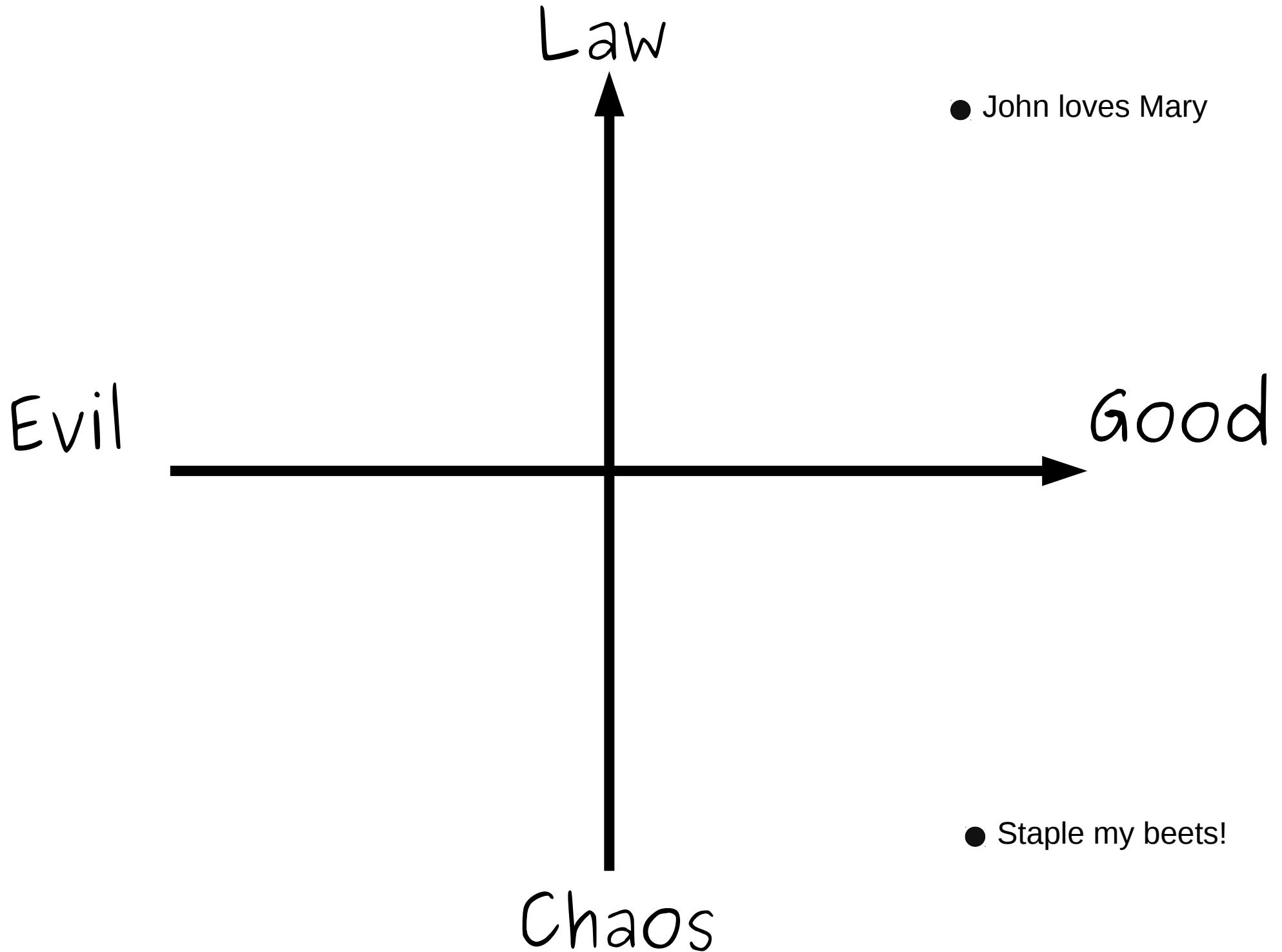
Evil

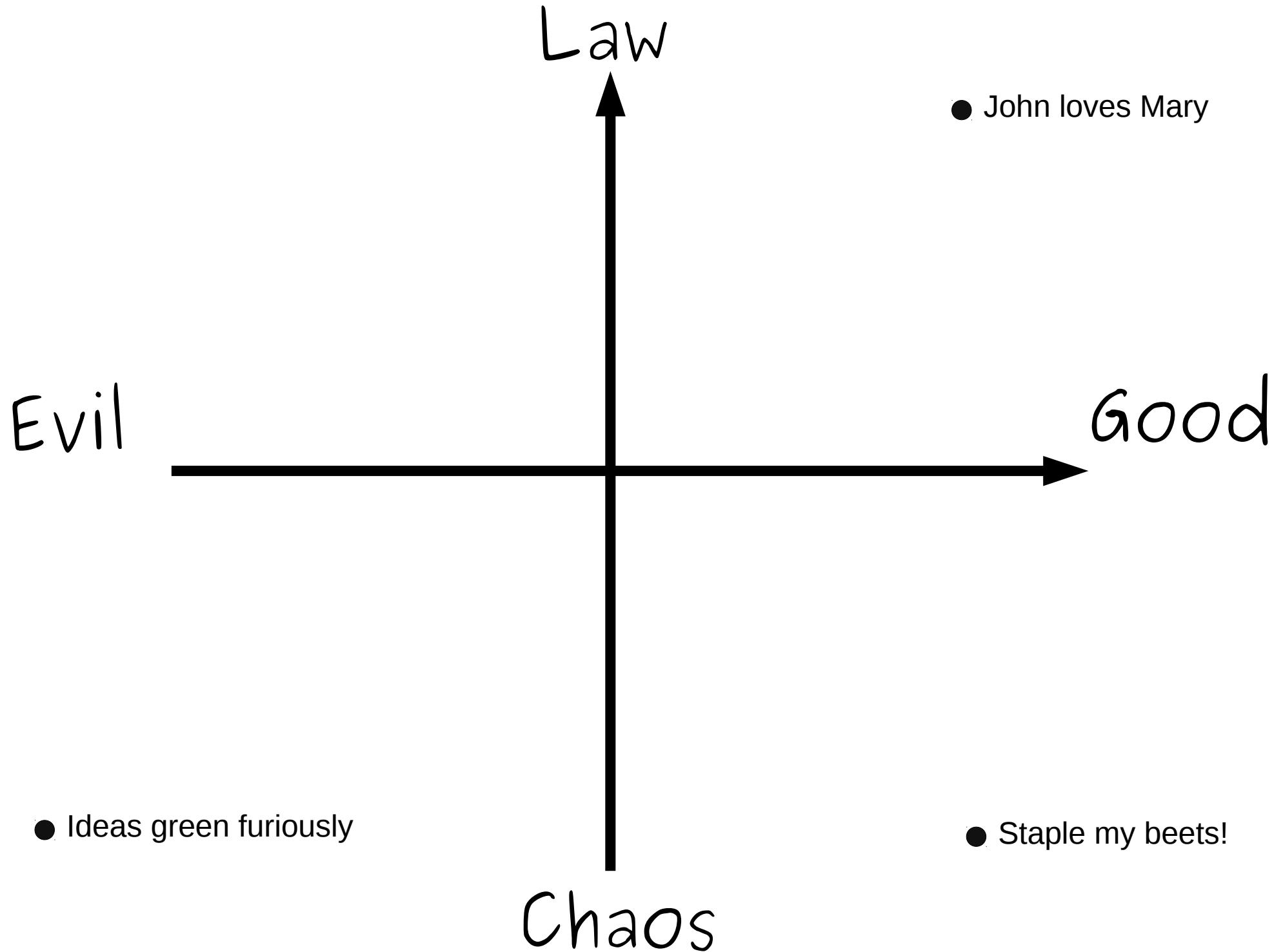


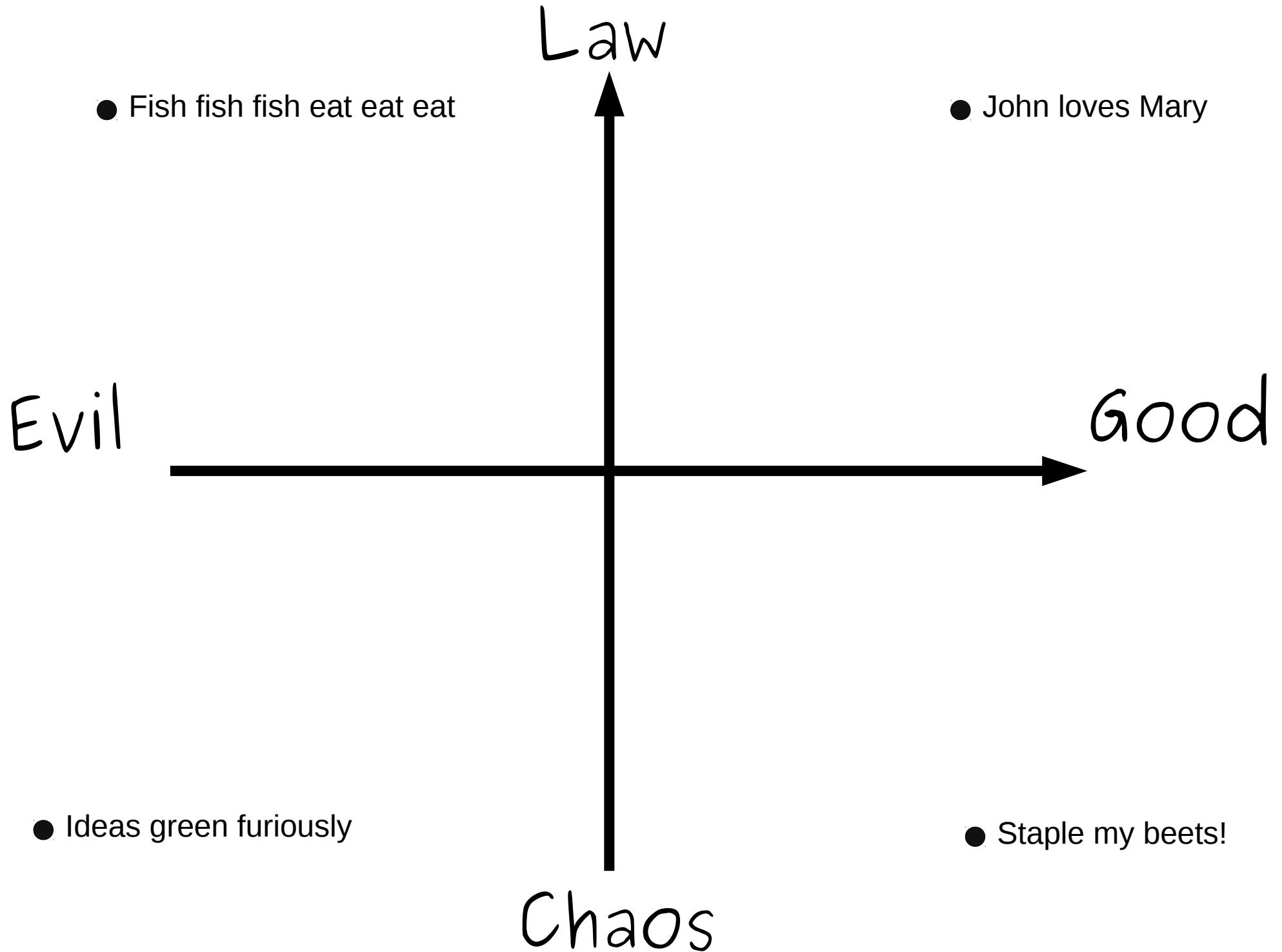
Good

Chaos

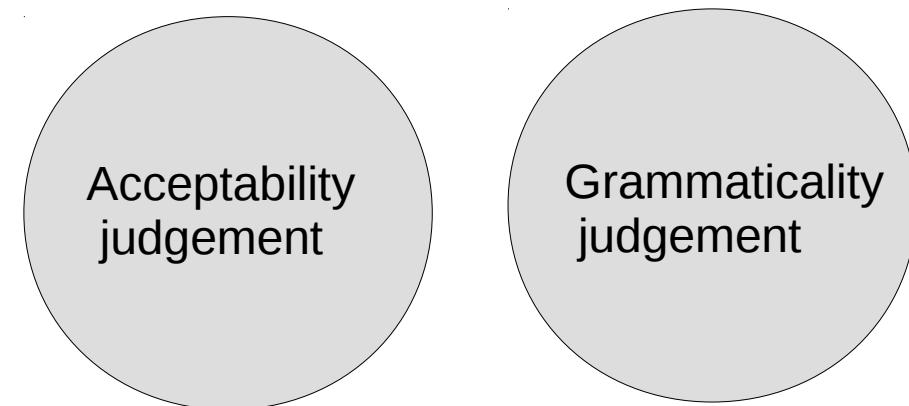




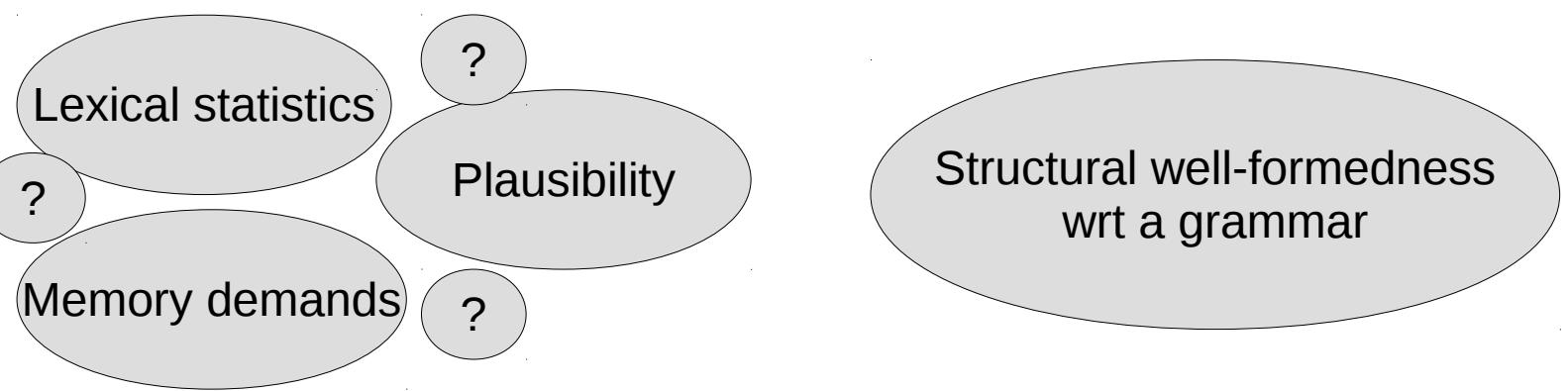




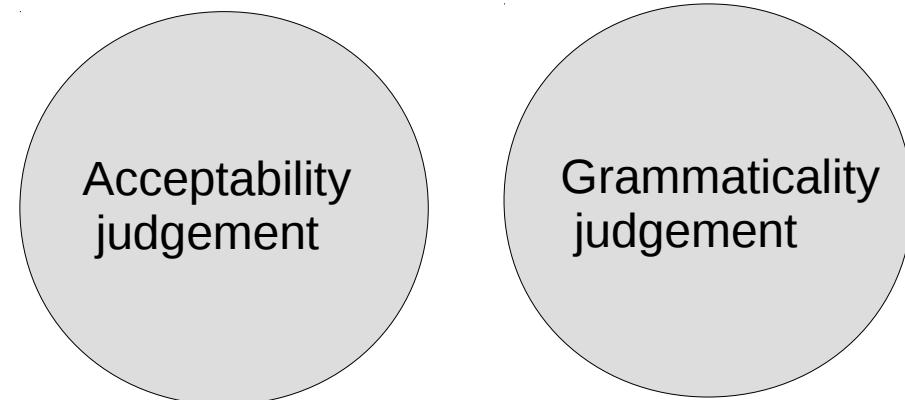
Observable outcome



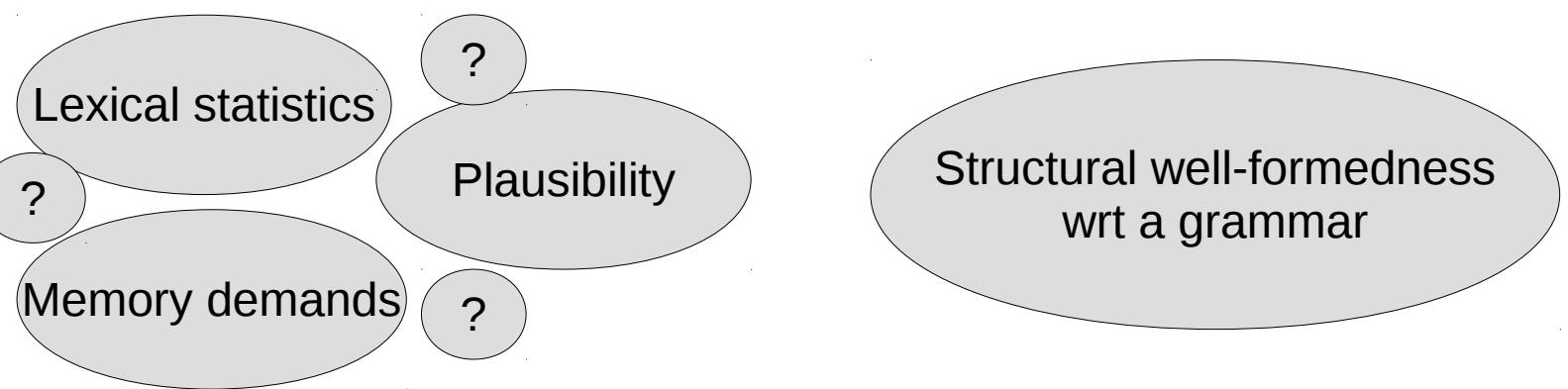
Sentence properties



Observable outcome

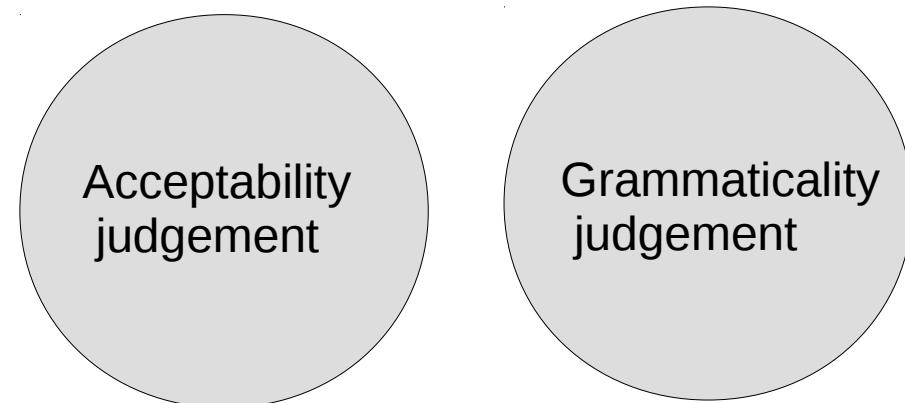


Sentence properties

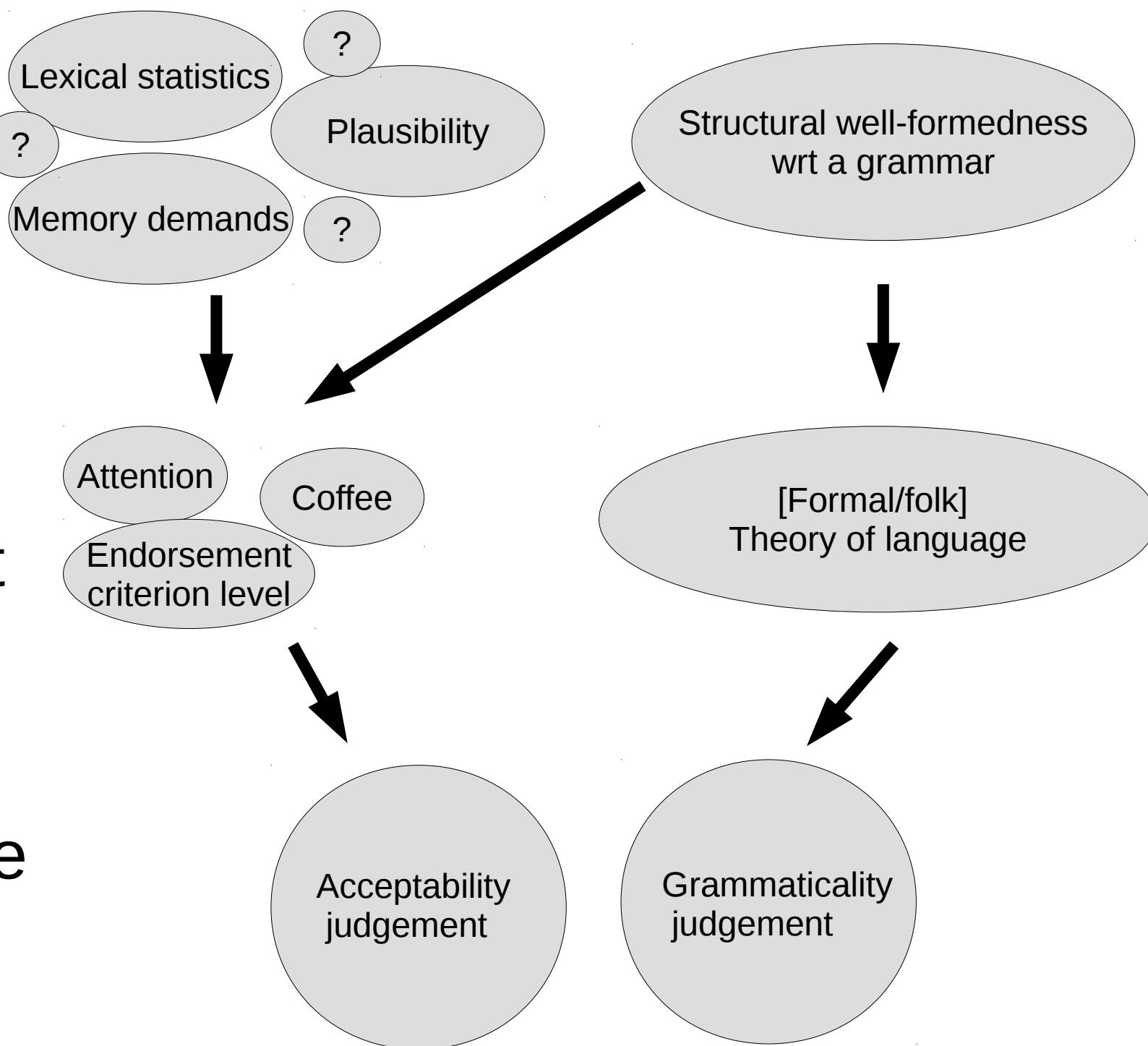


Perception & Judgement

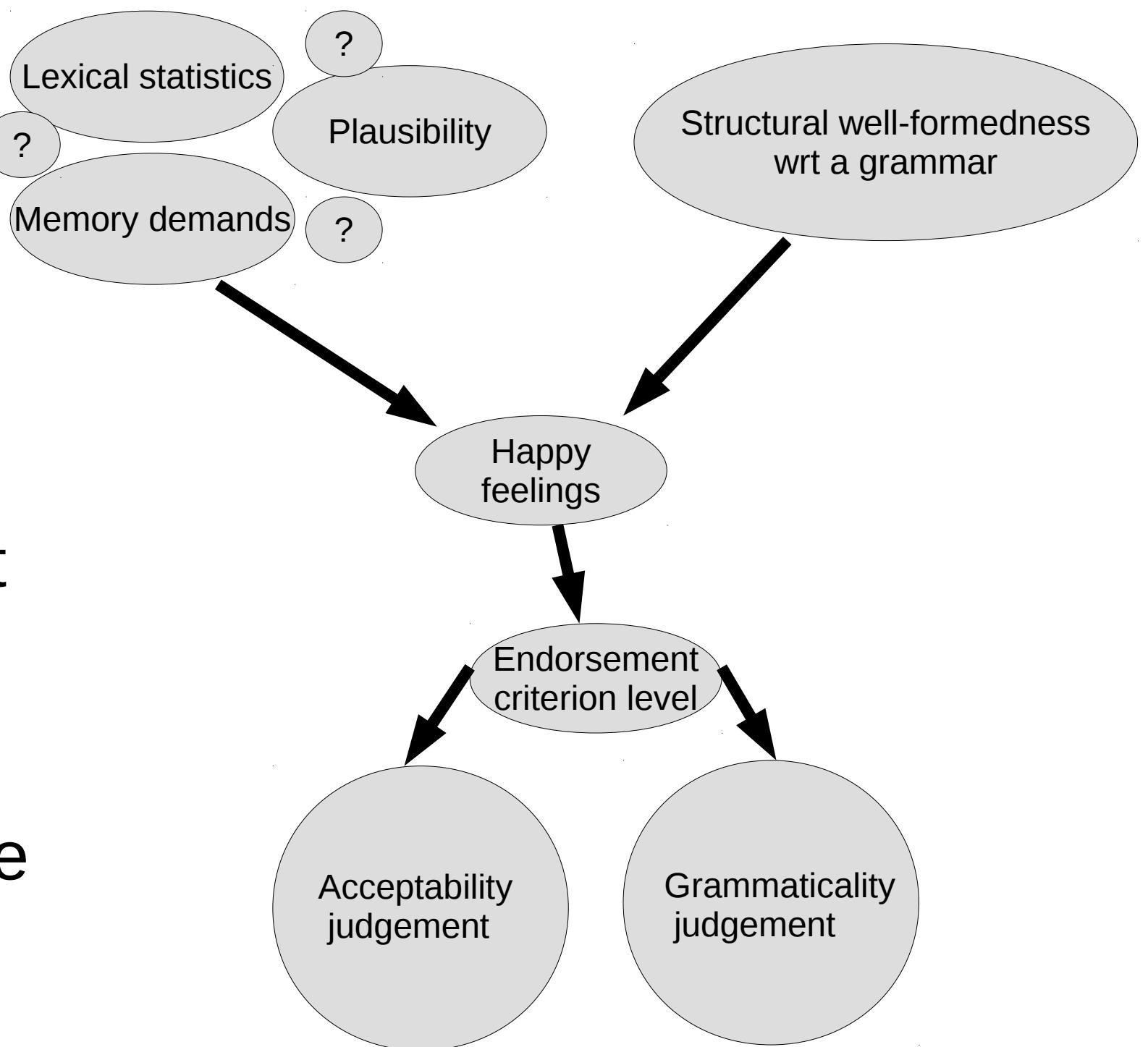
Observable outcome



Sentence properties

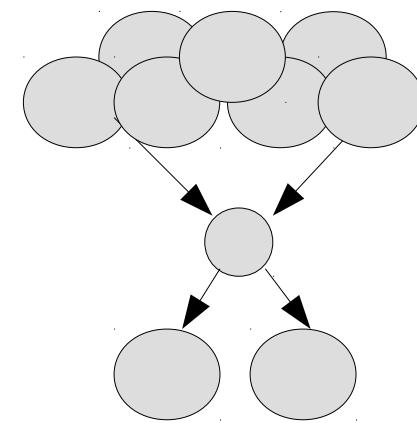
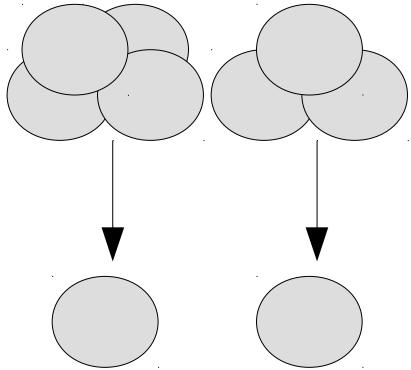


Sentence properties



Perception & Judgement

Observable outcome



Acceptability

Grammaticality

Well-formedness

A short list of things that don't
compel belief in the 2d account

A short list of things that don't compel belief in the 2d account

- There exist sentences that are grammatical but not acceptable.

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- Both (1) and (2) at the same time.

A short list of things that don't compel belief in the 2d account

- There exist sentences that are grammatical but not acceptable.
- There exist sentences that are acceptable but not grammatical.
- Both (1) and (2) at the same time.
- Grammaticality judgments can be shown to contain ‘extra information’ over that contained in acceptability judgments.

Good enough

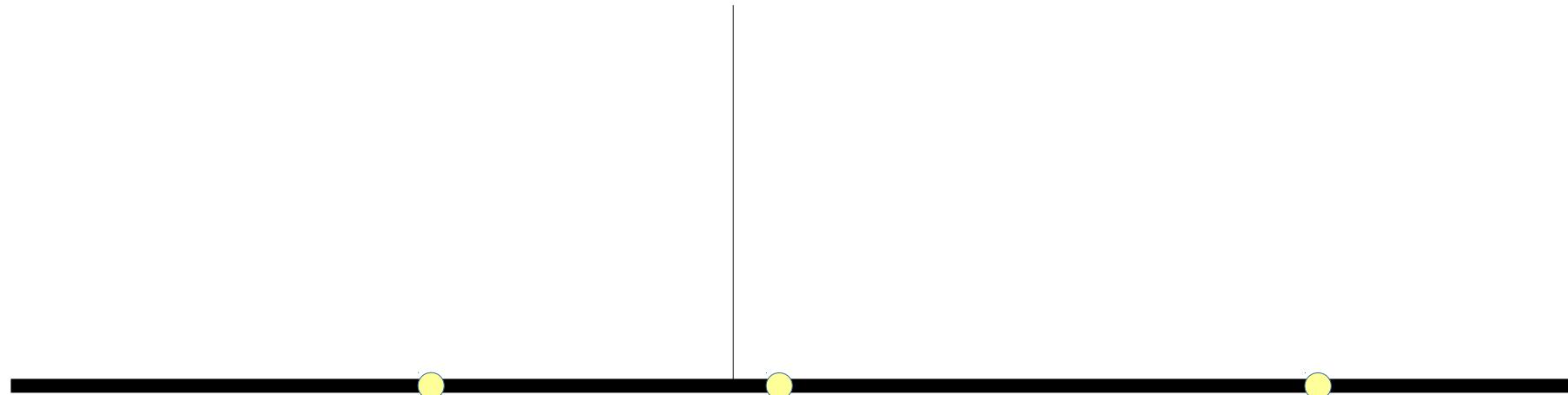
Not good

Good

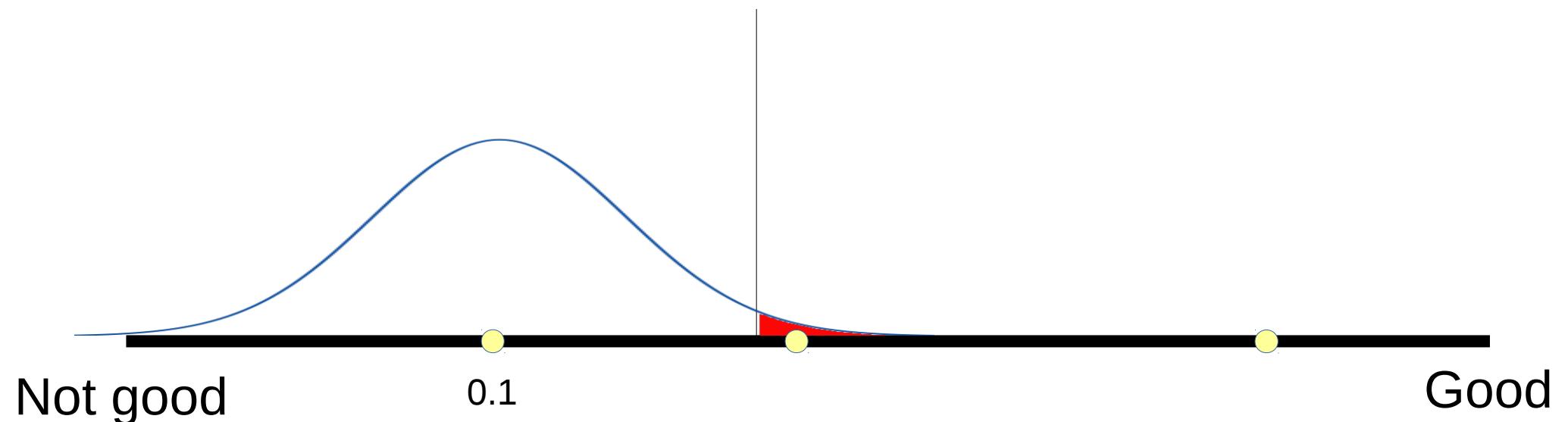
Good enough

Not good

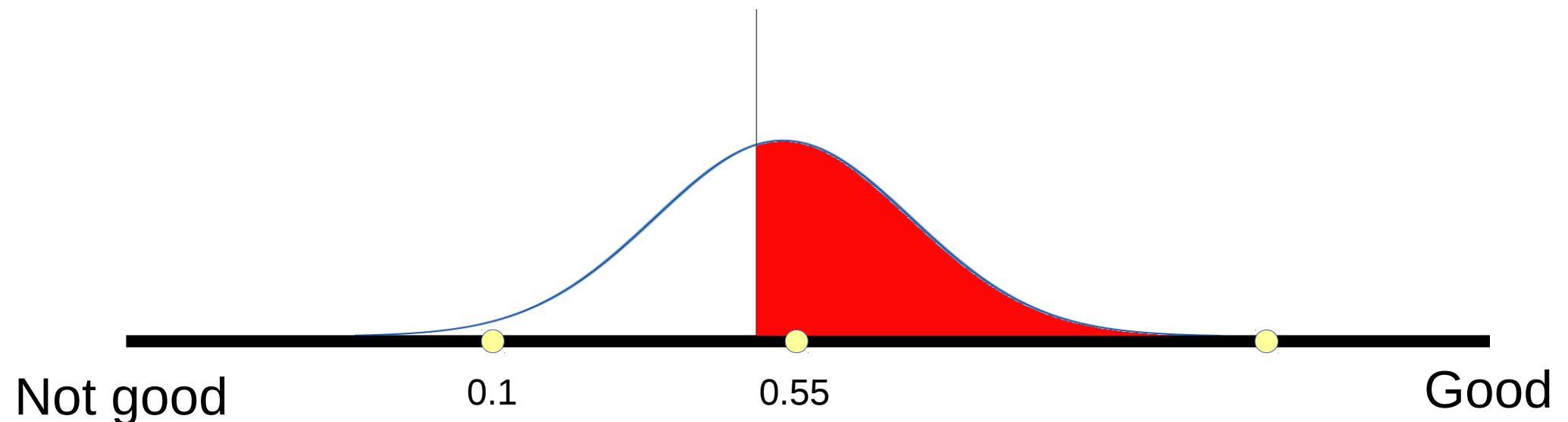
Good



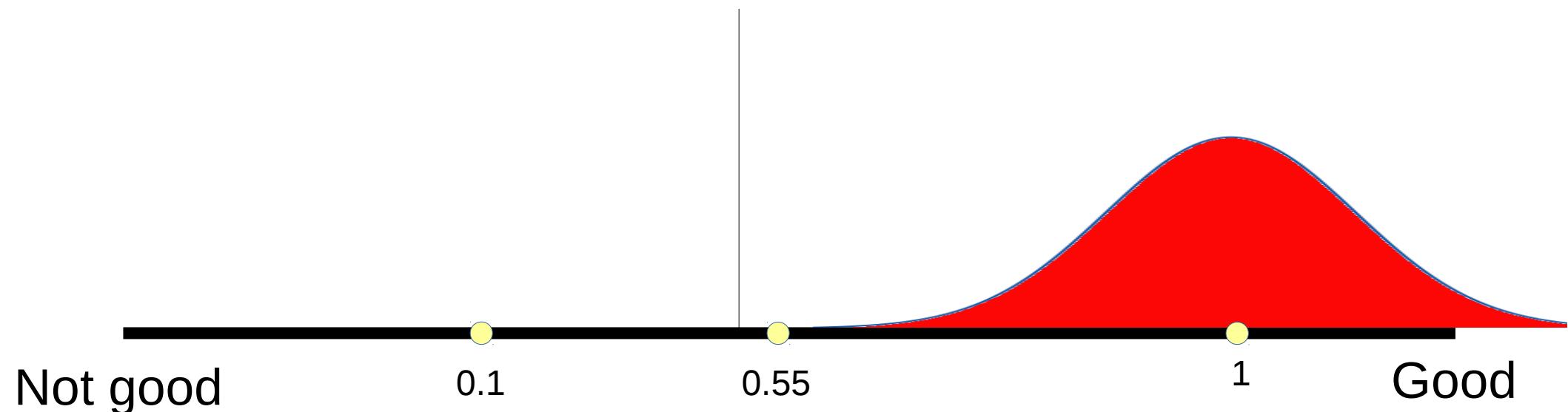
Good enough



Good enough



Good enough



Good enough

Not good

0.1

0.55

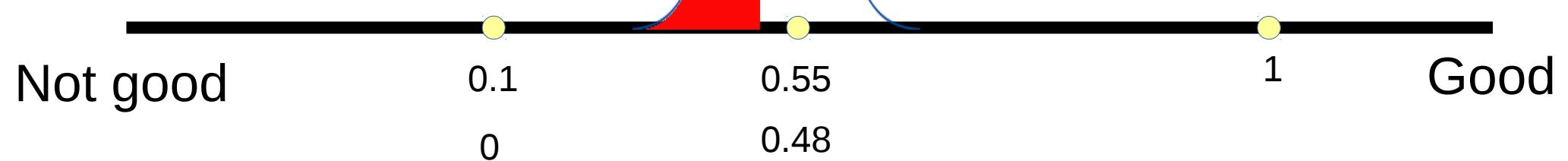
1

Good

0



Good enough



Good enough

Not good

0.1

0

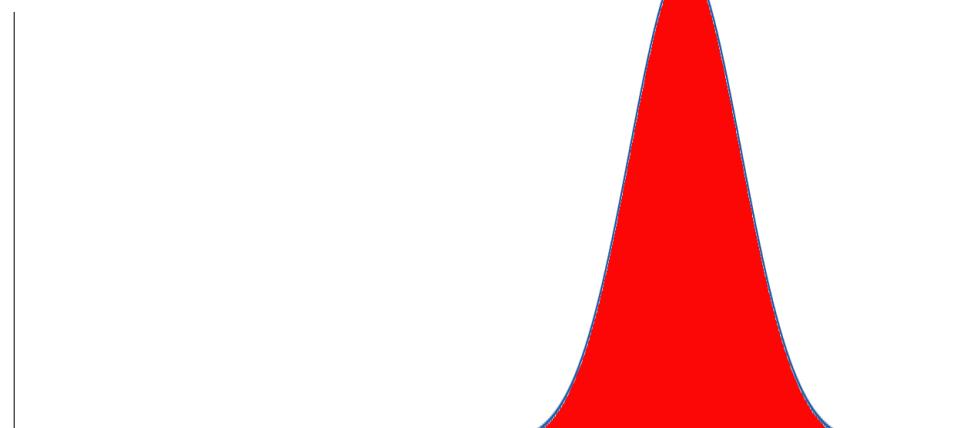
0.55

0.48

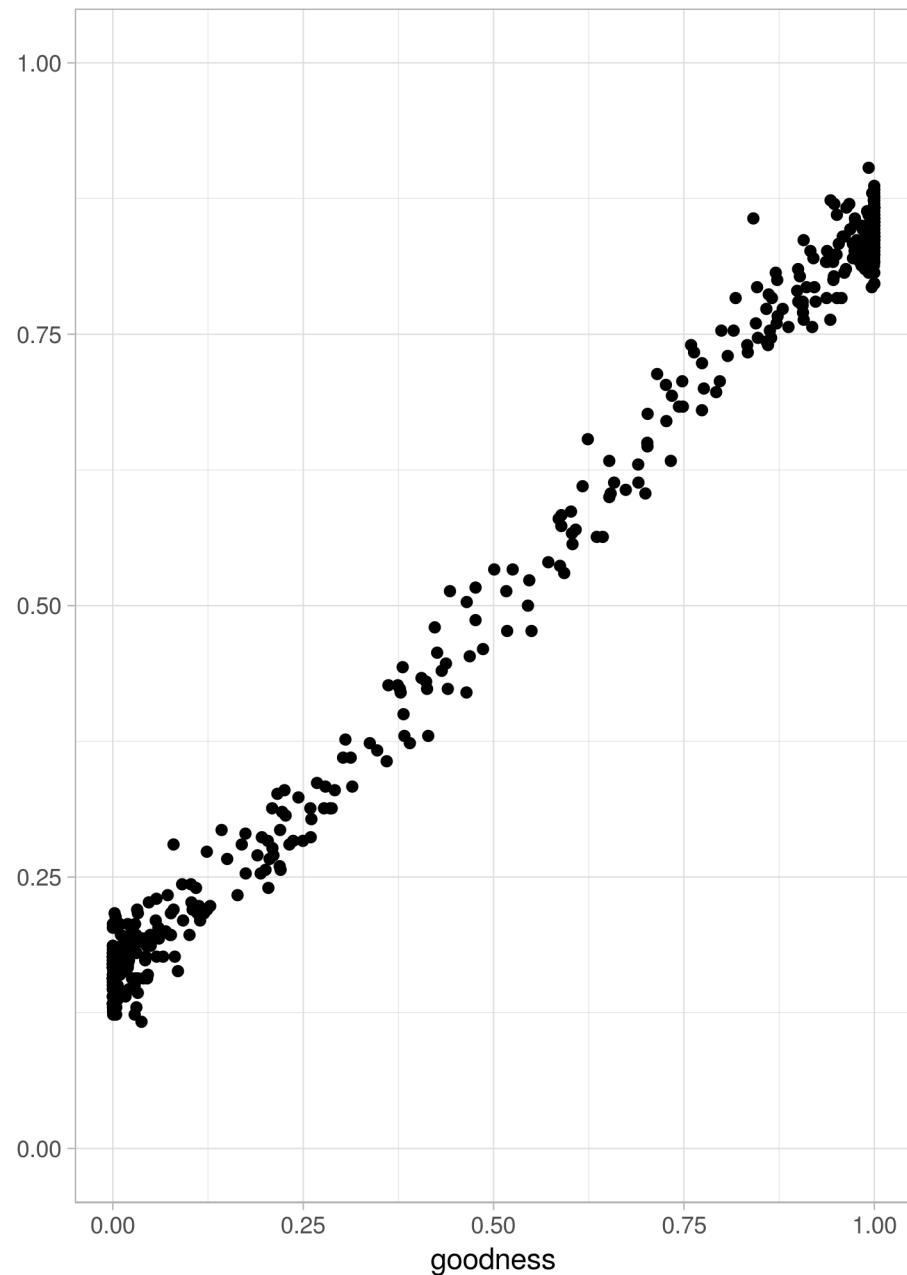
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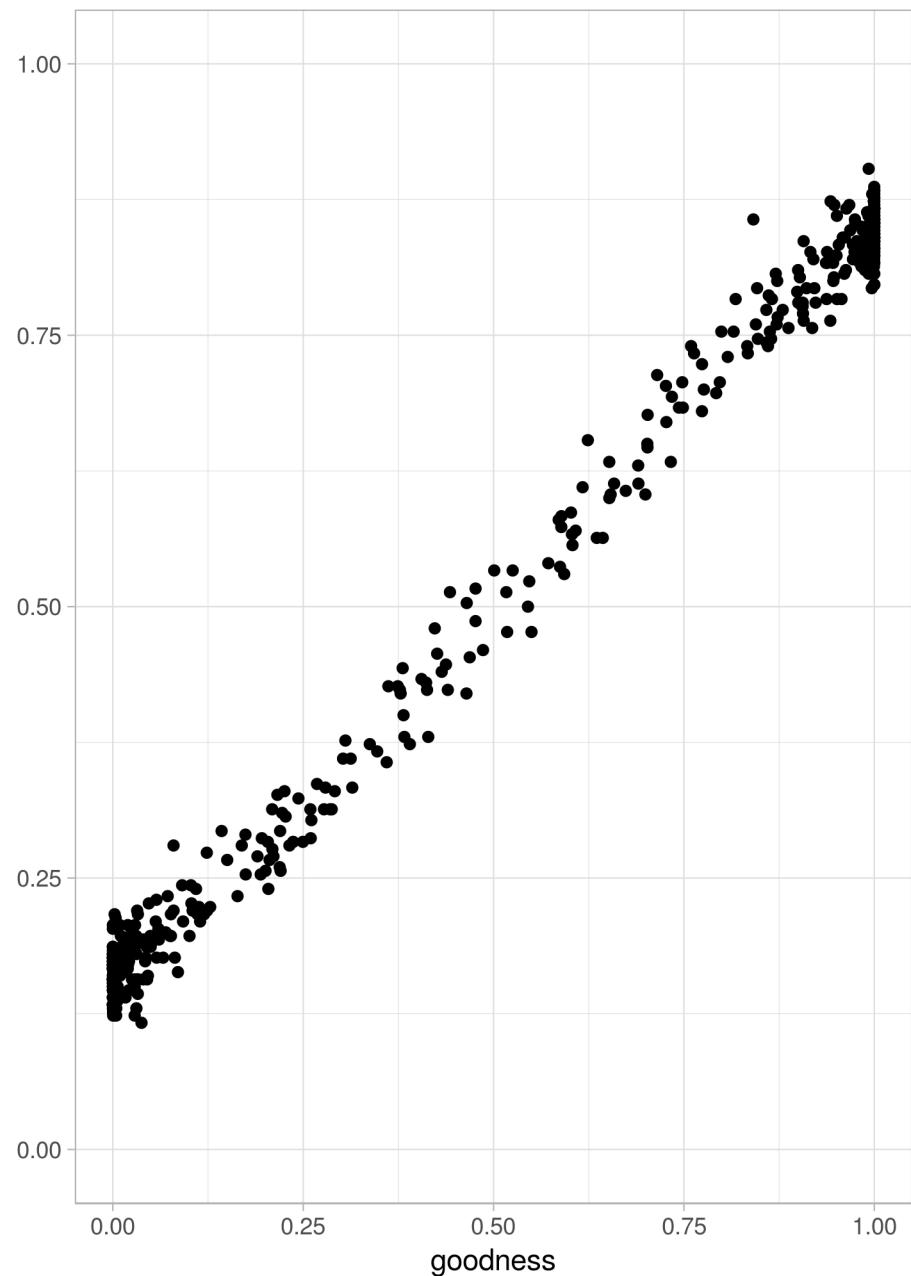
Good



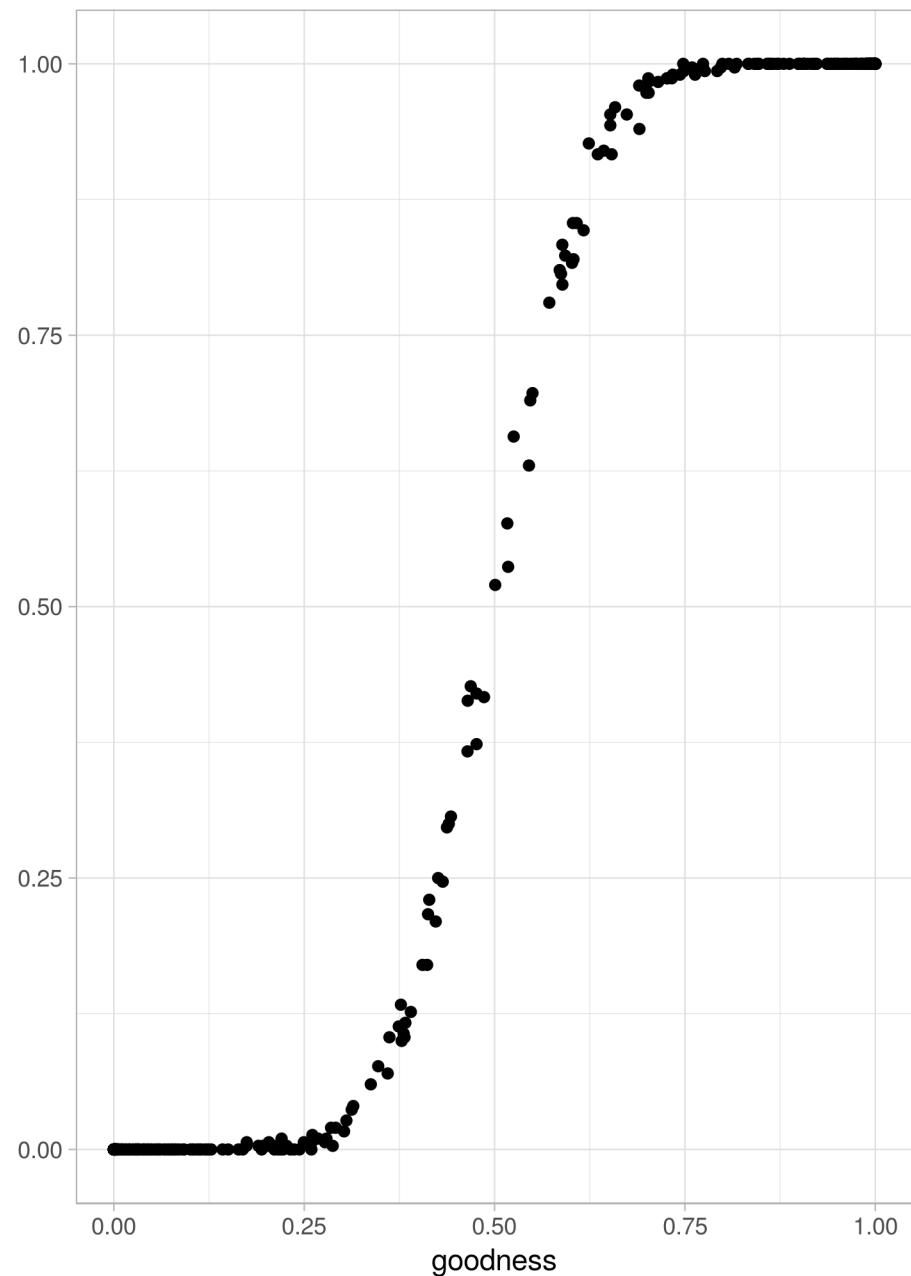
Acceptability



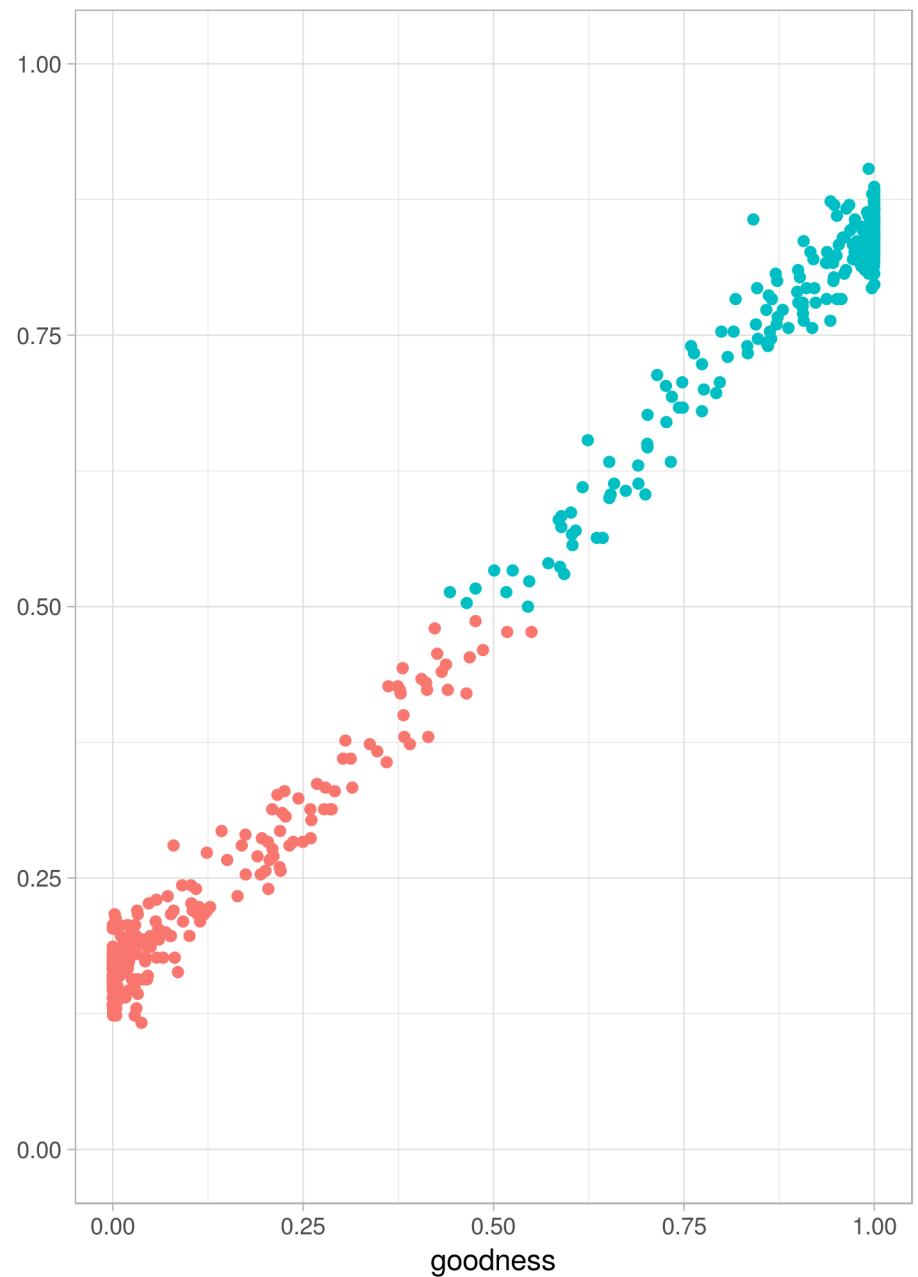
Acceptability



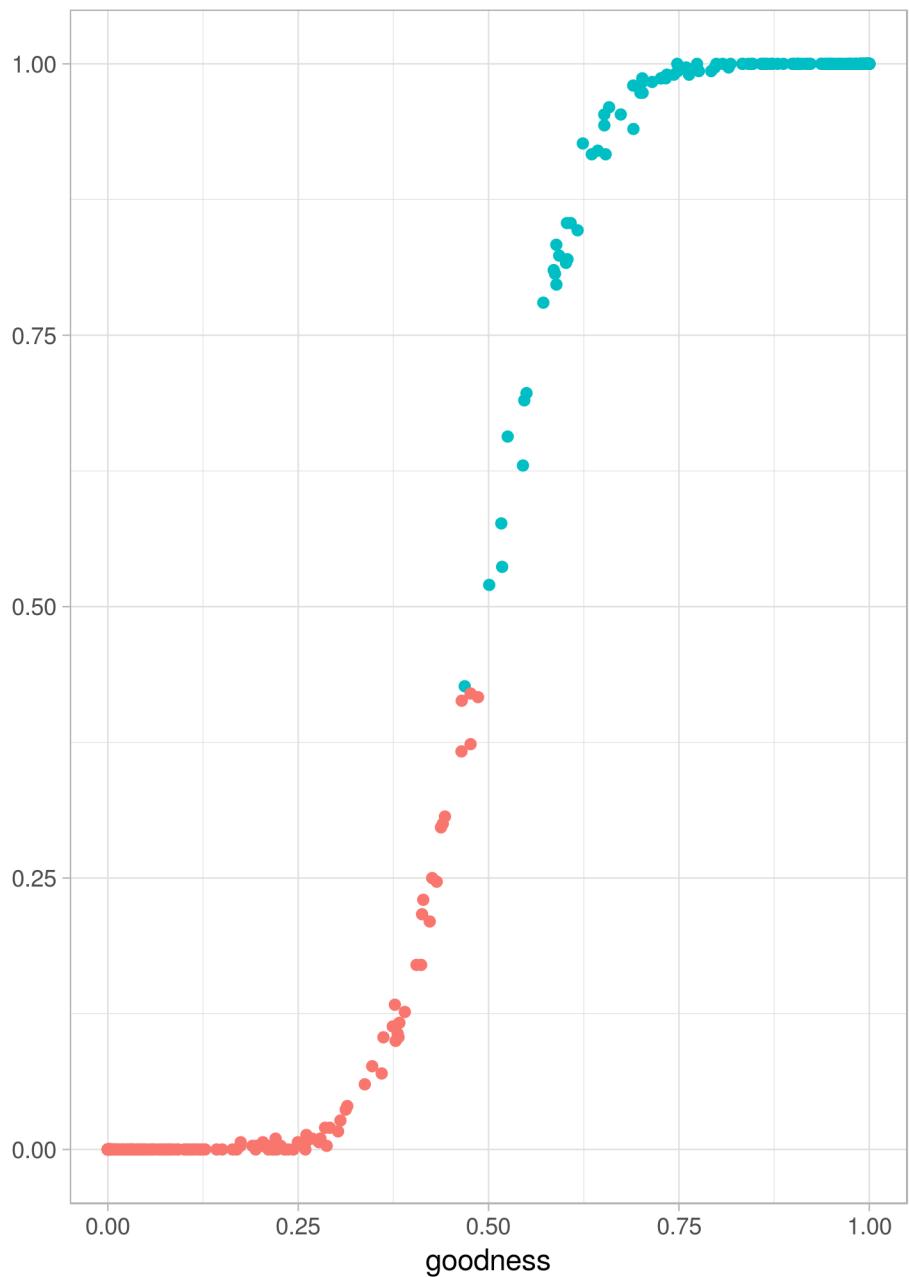
Grammaticality

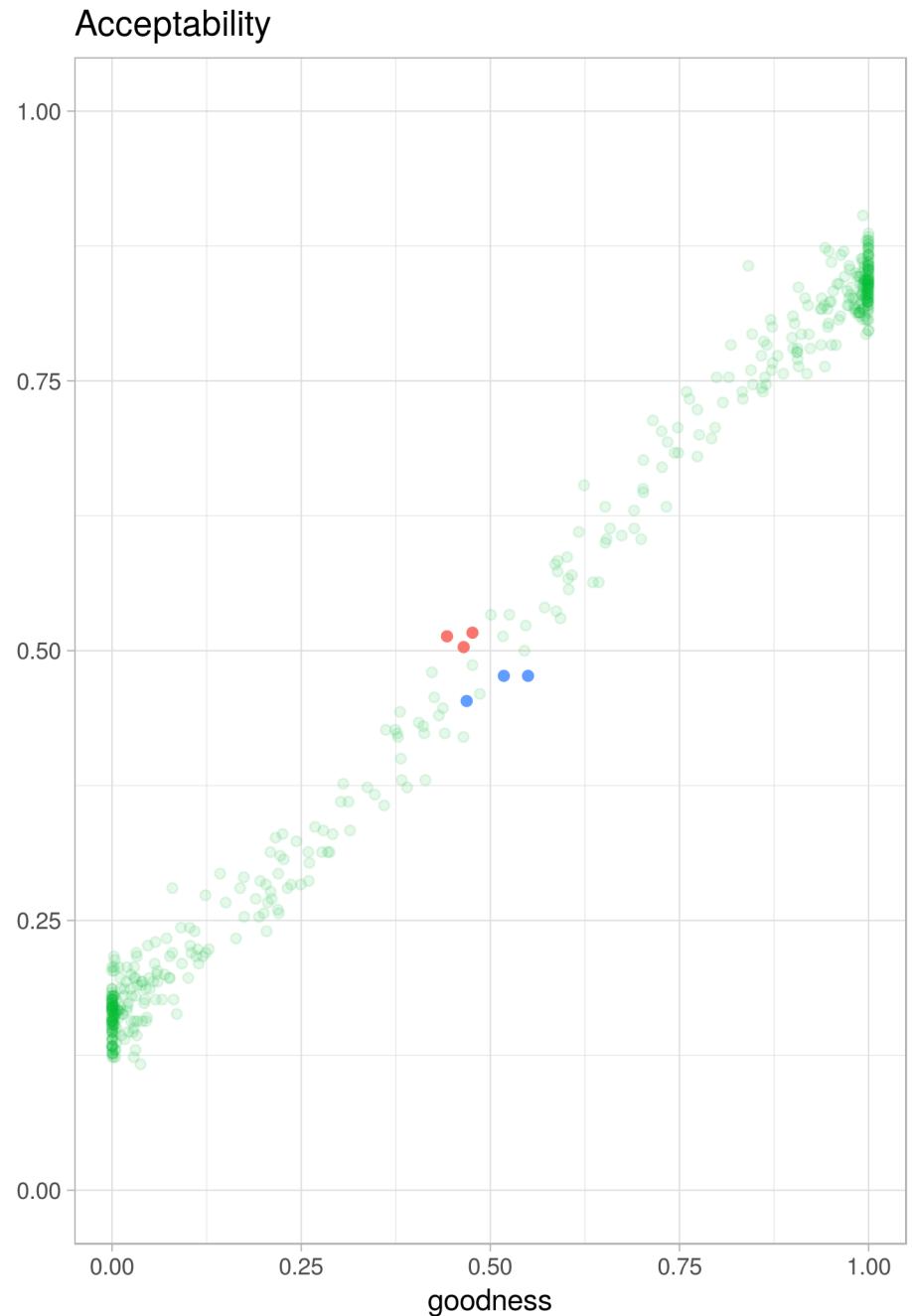


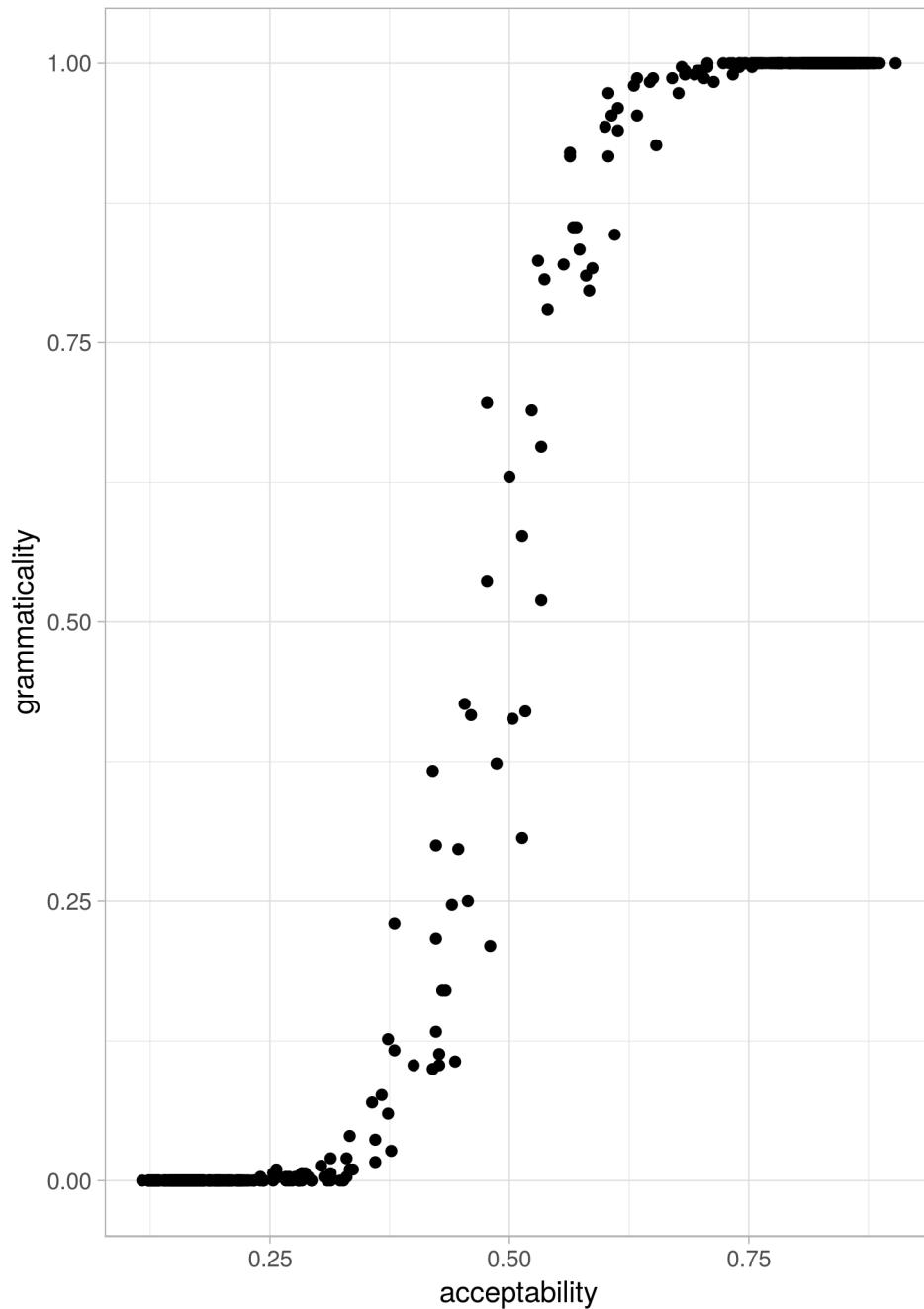
Acceptability

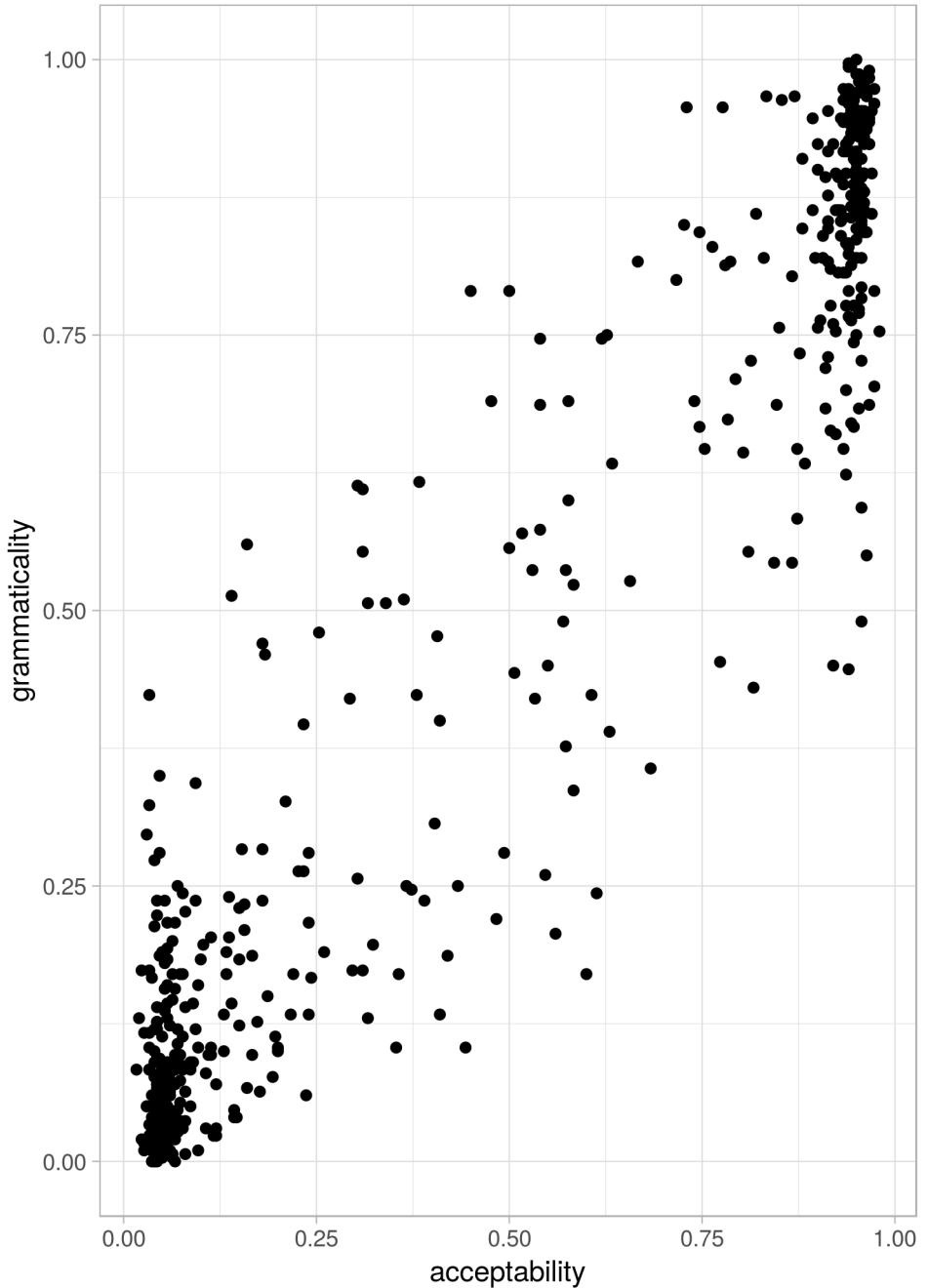
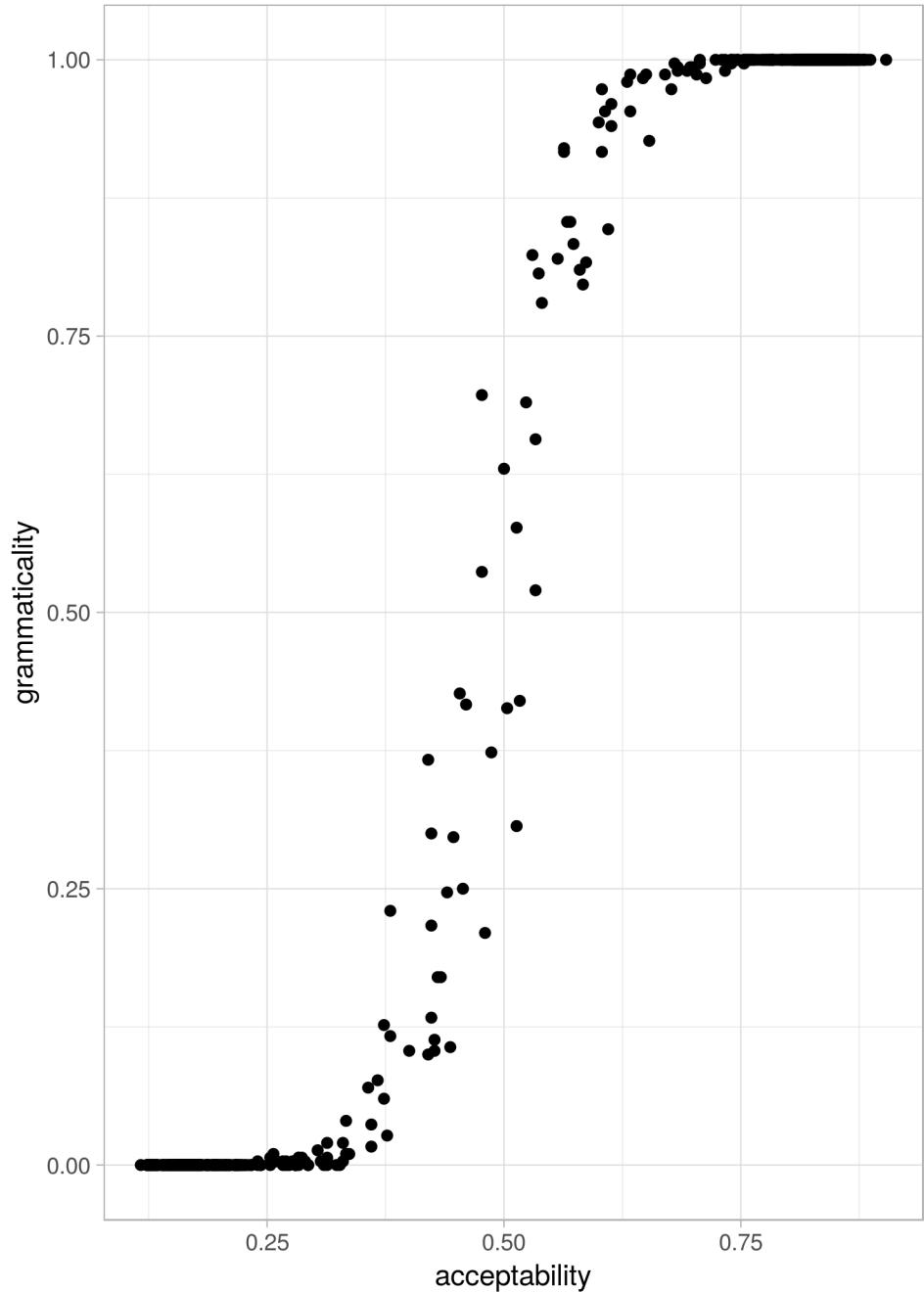


Grammaticality

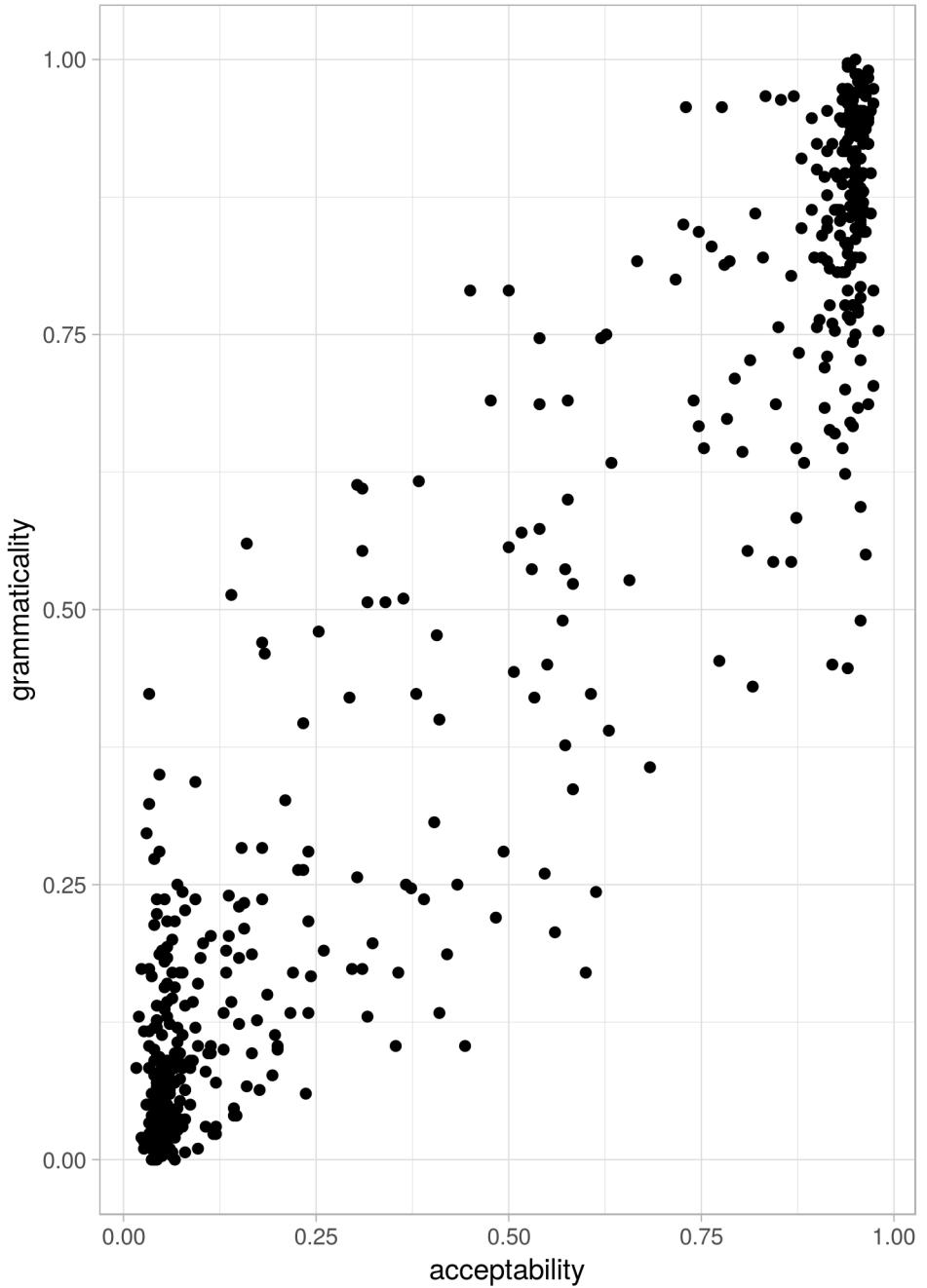
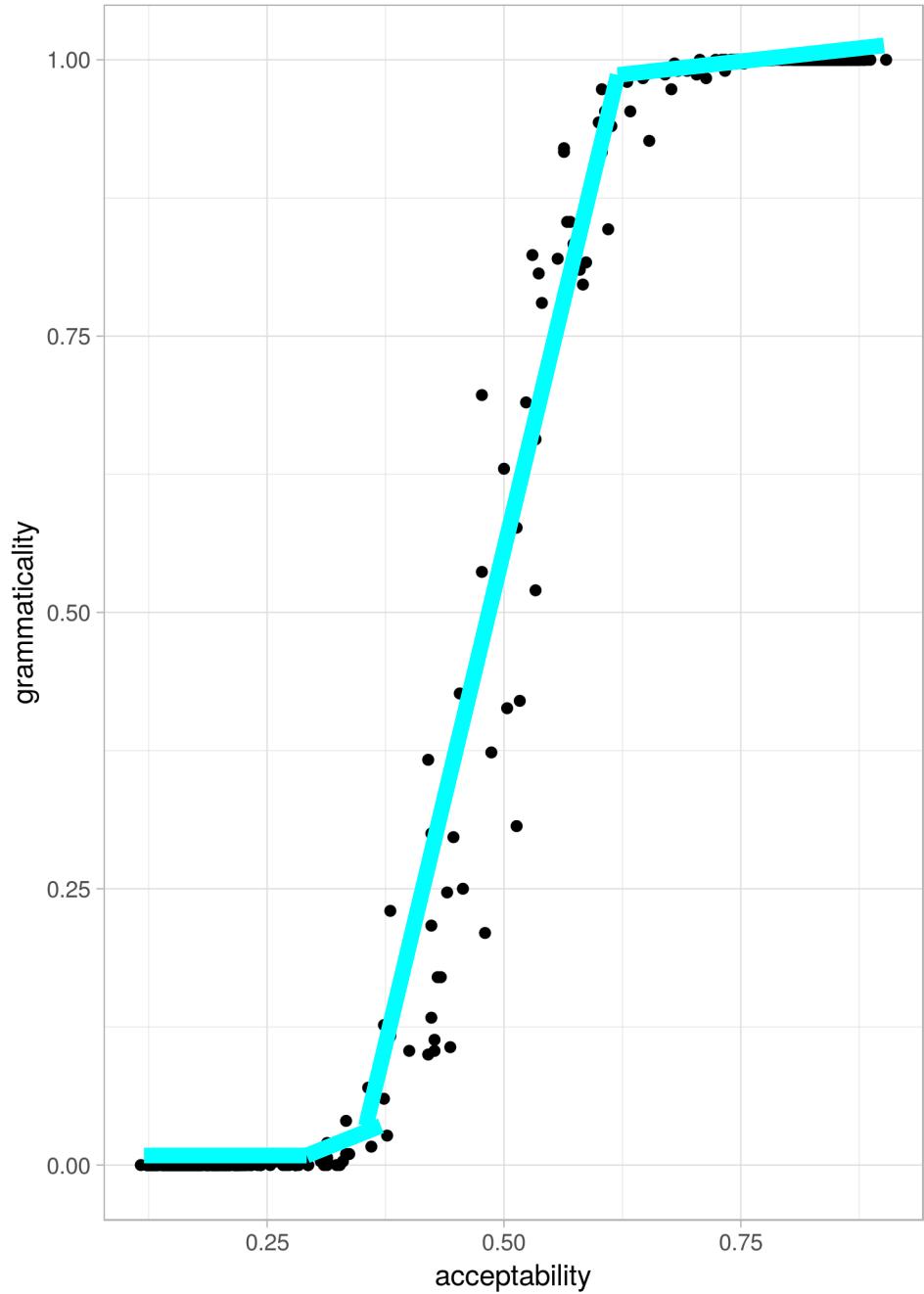




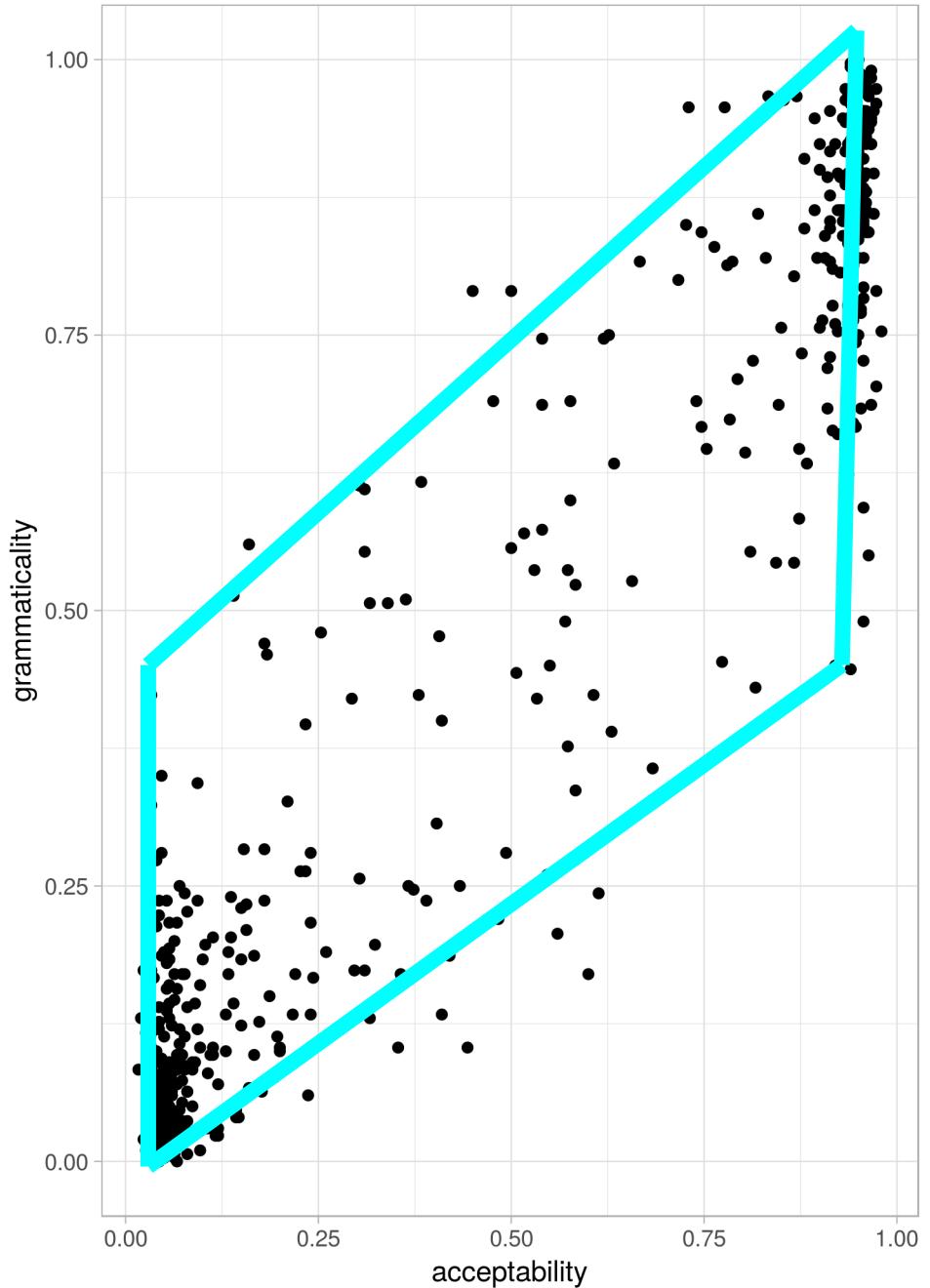
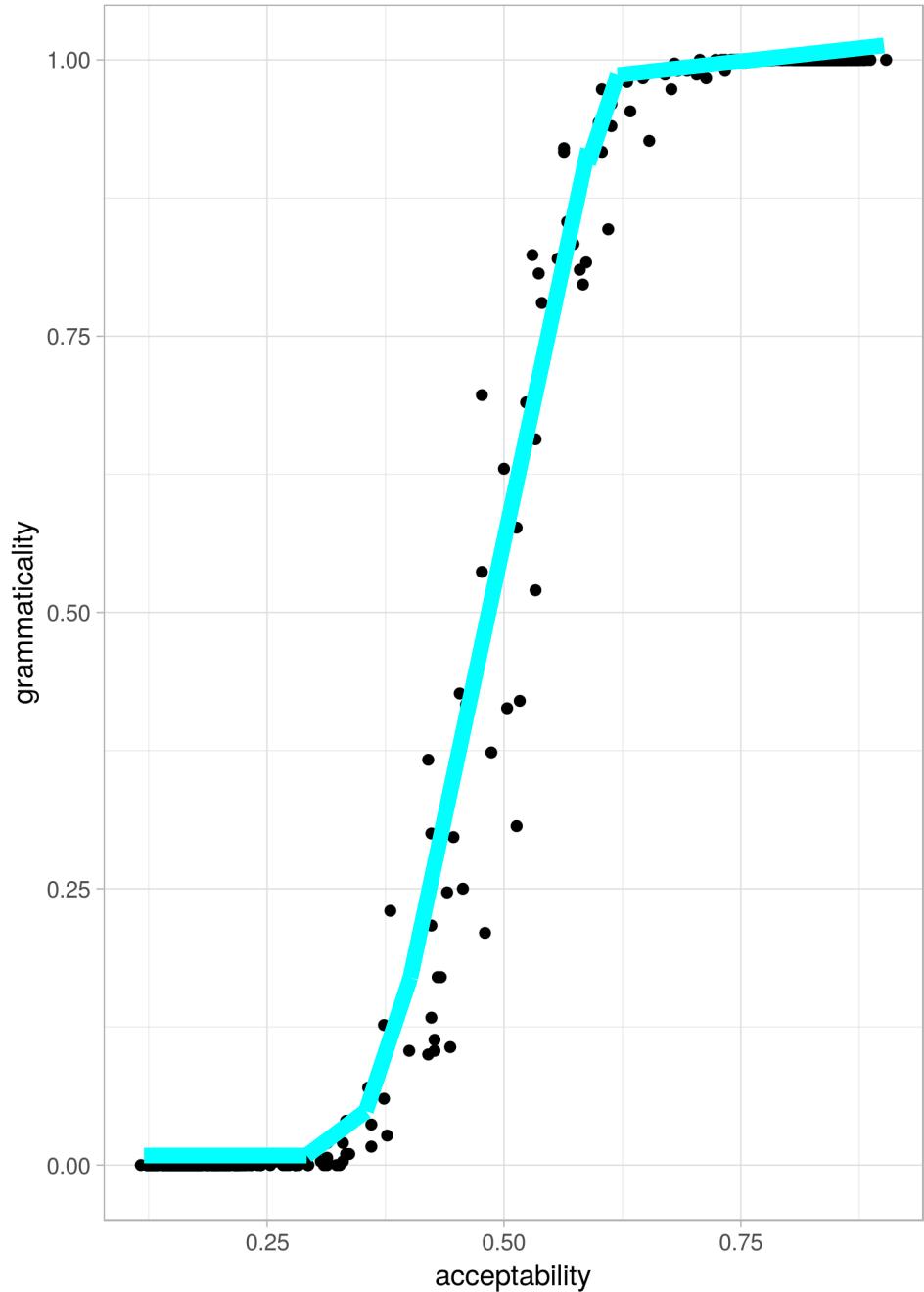




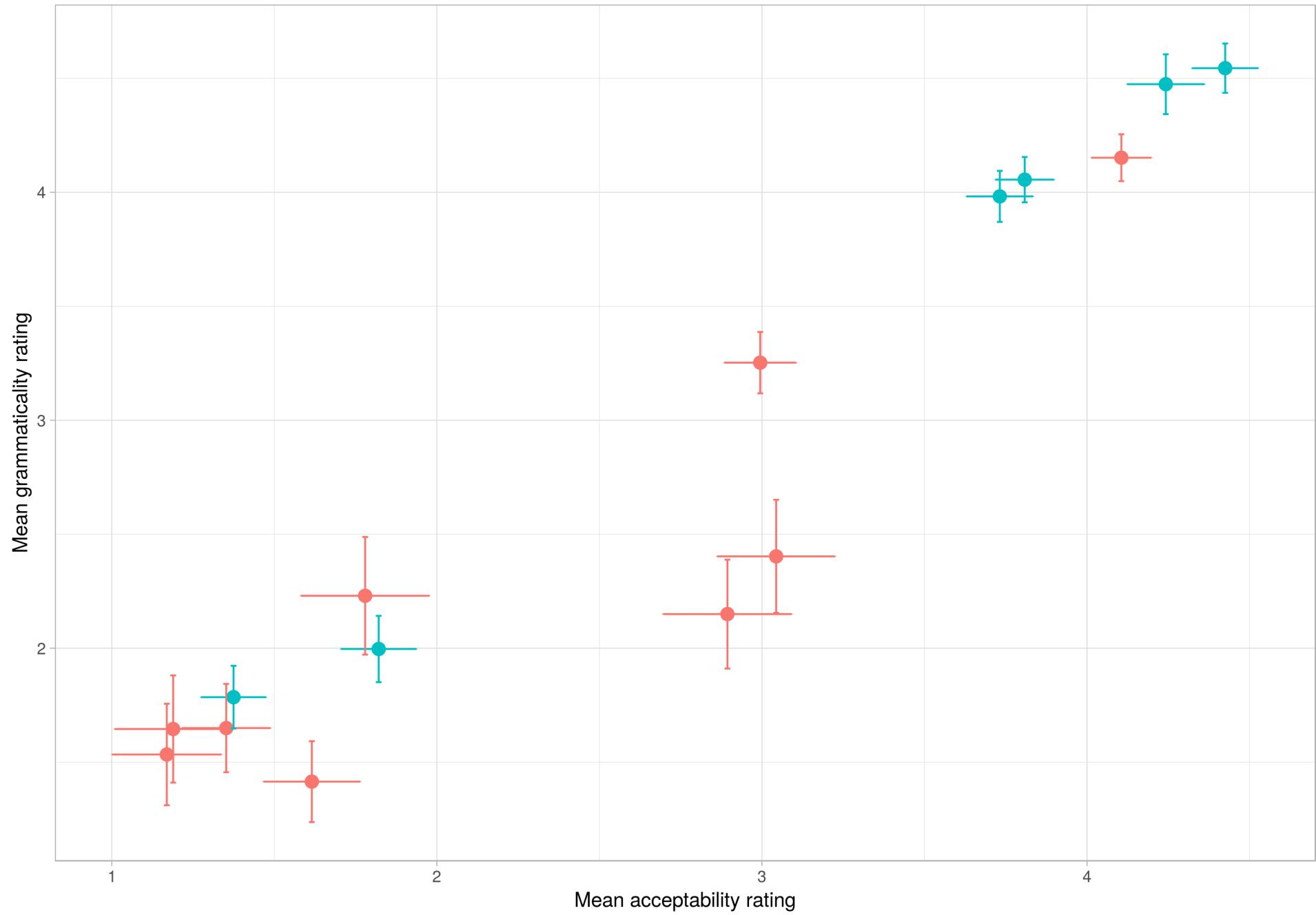
$$\text{cor}(x,y) = 0.92$$

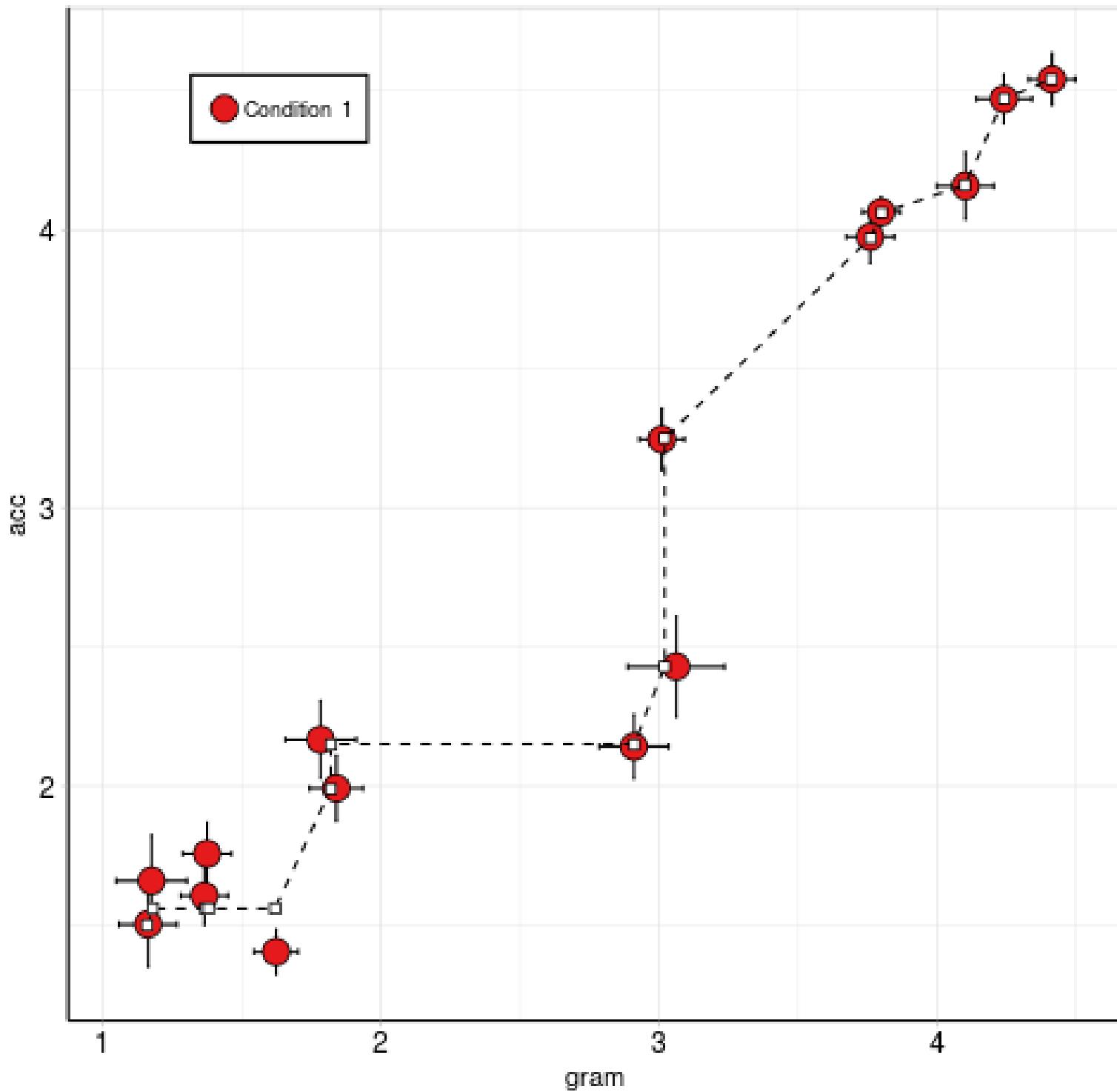


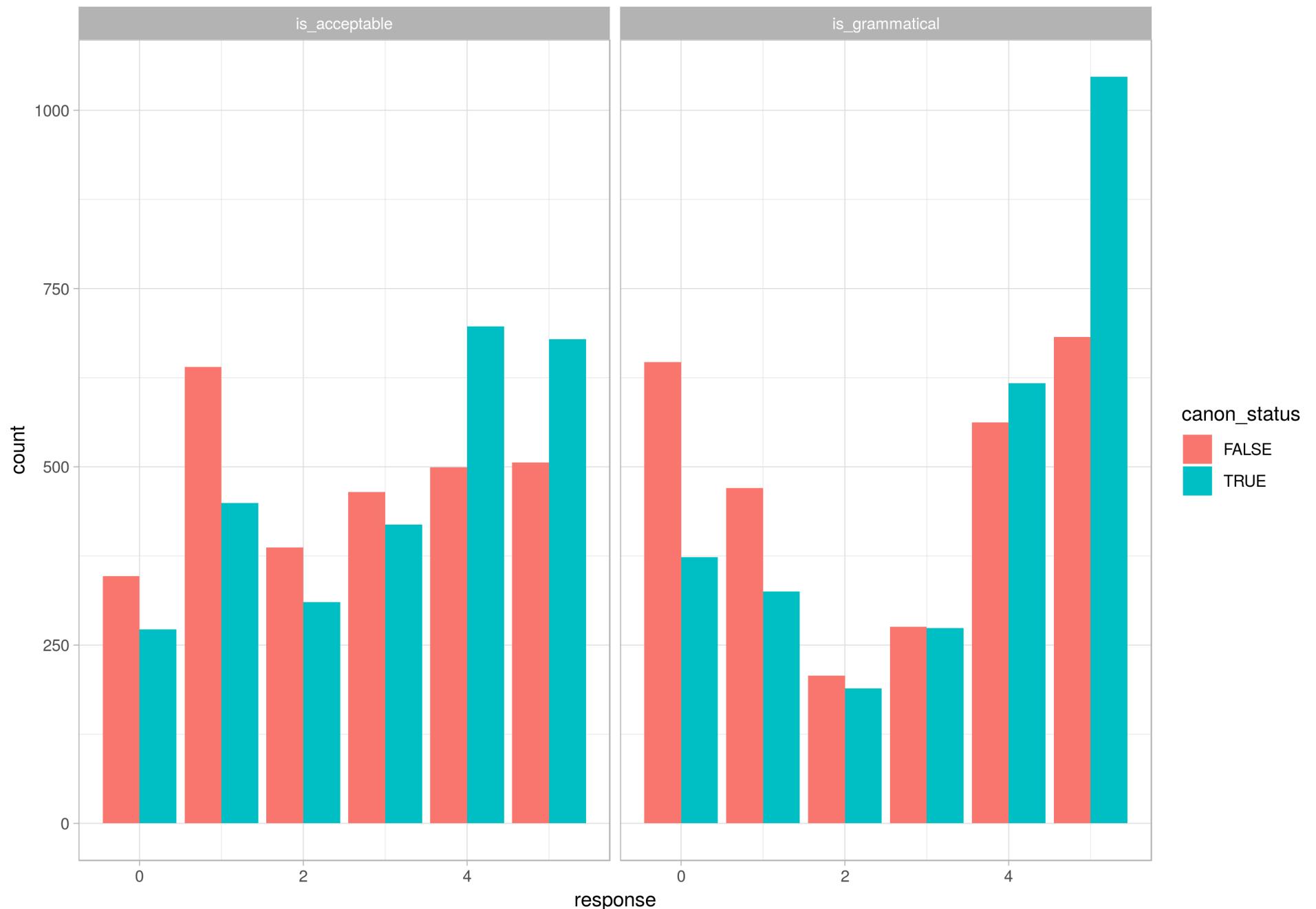
$$\text{cor}(x,y) = 0.92$$

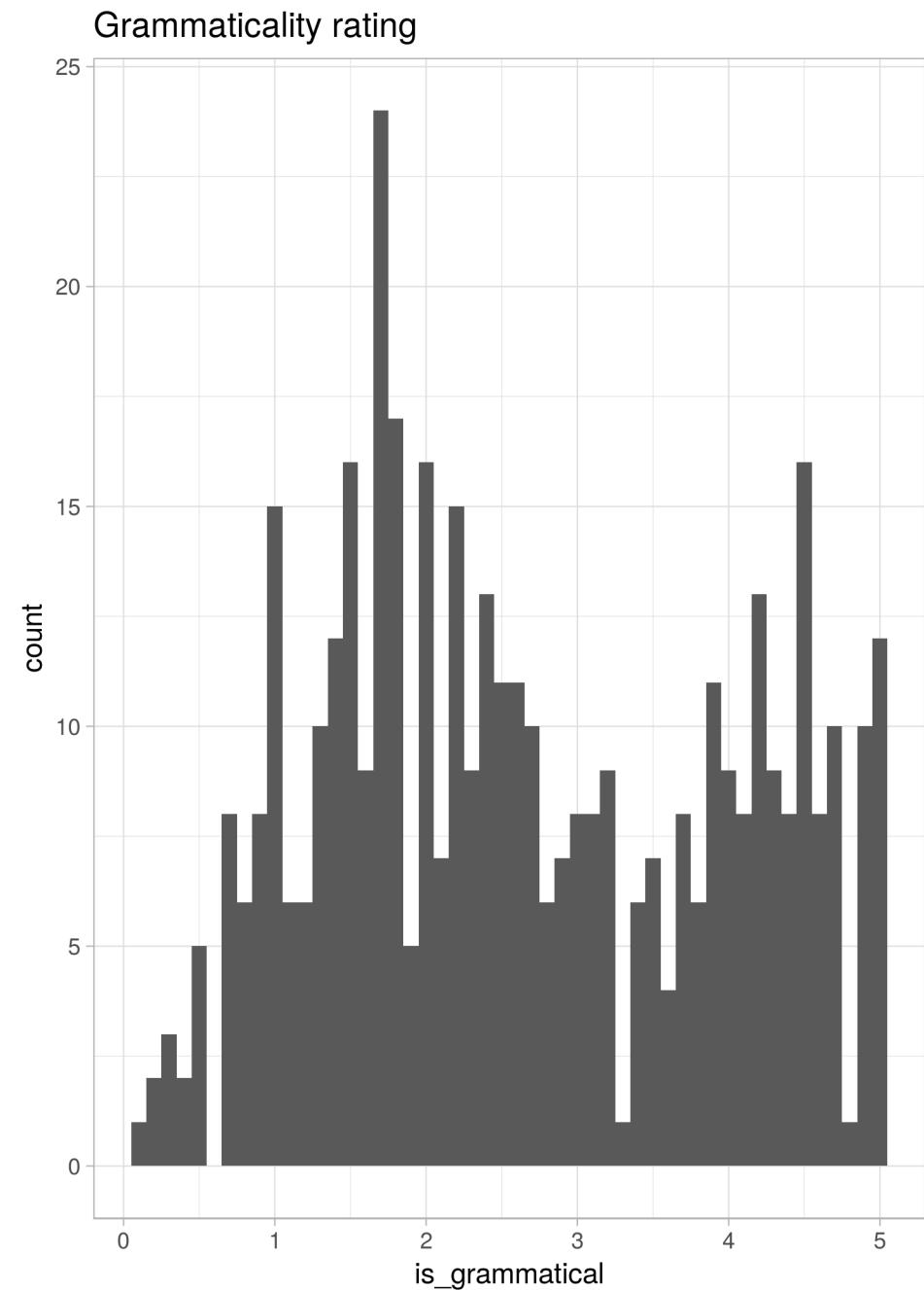
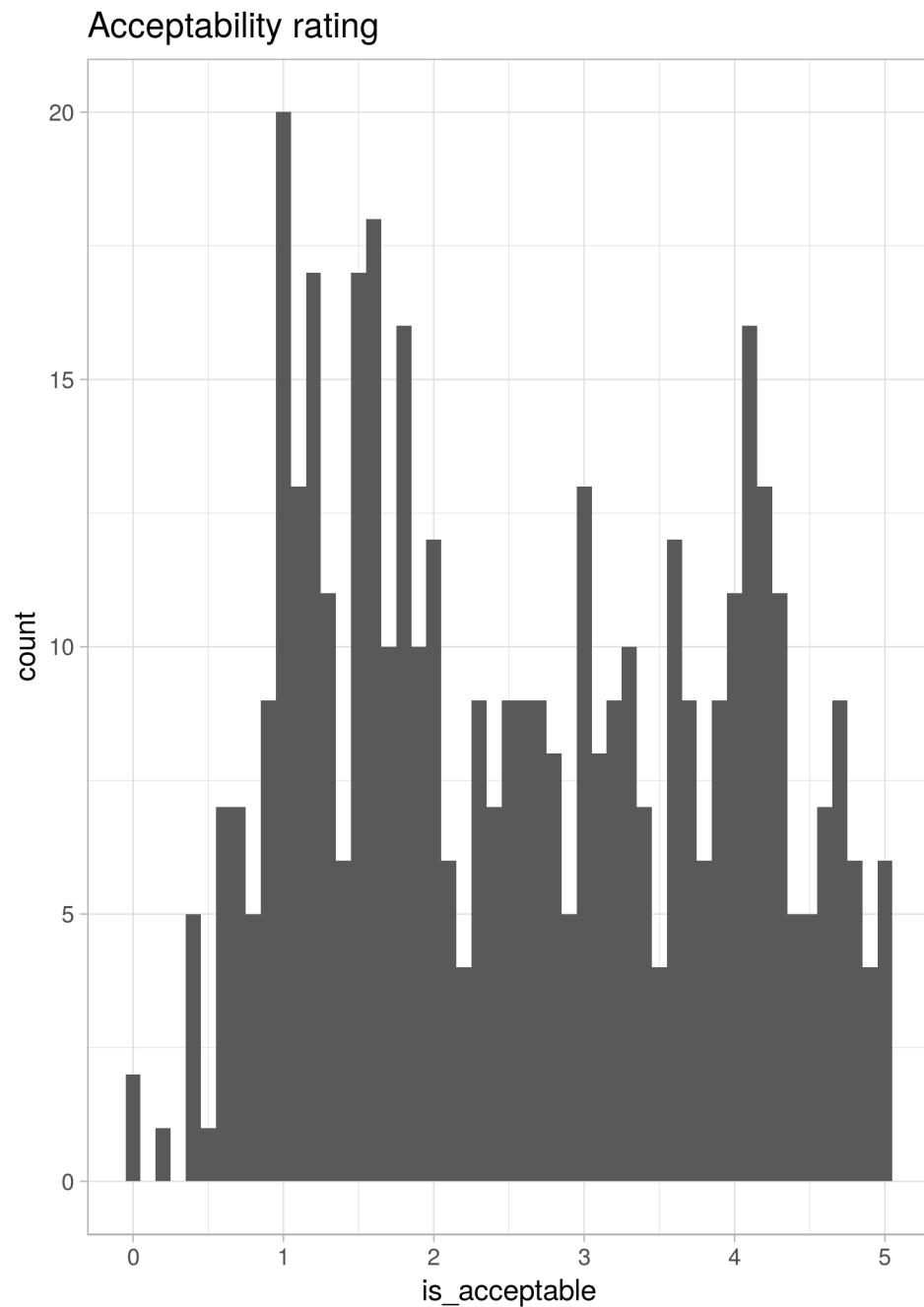


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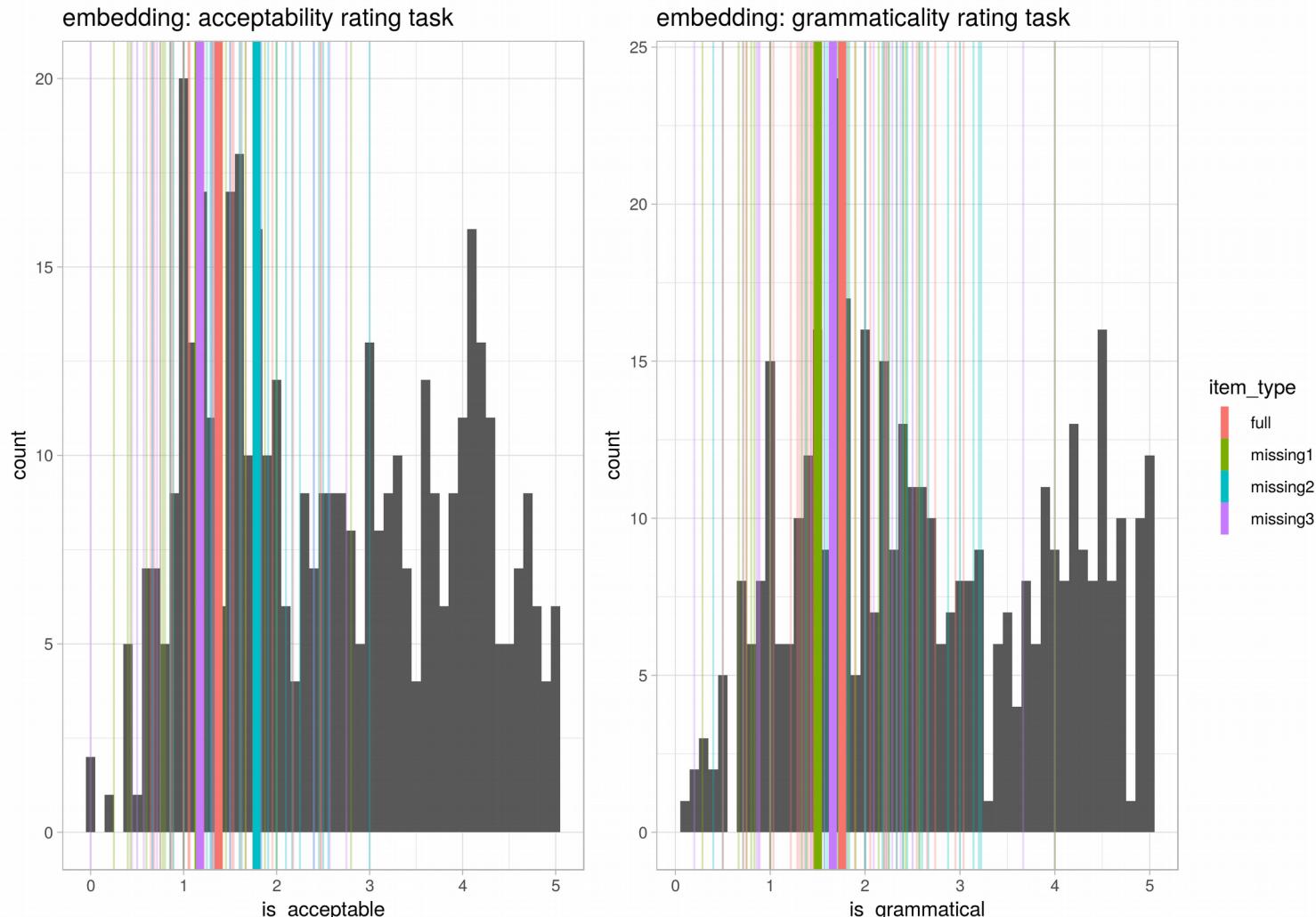




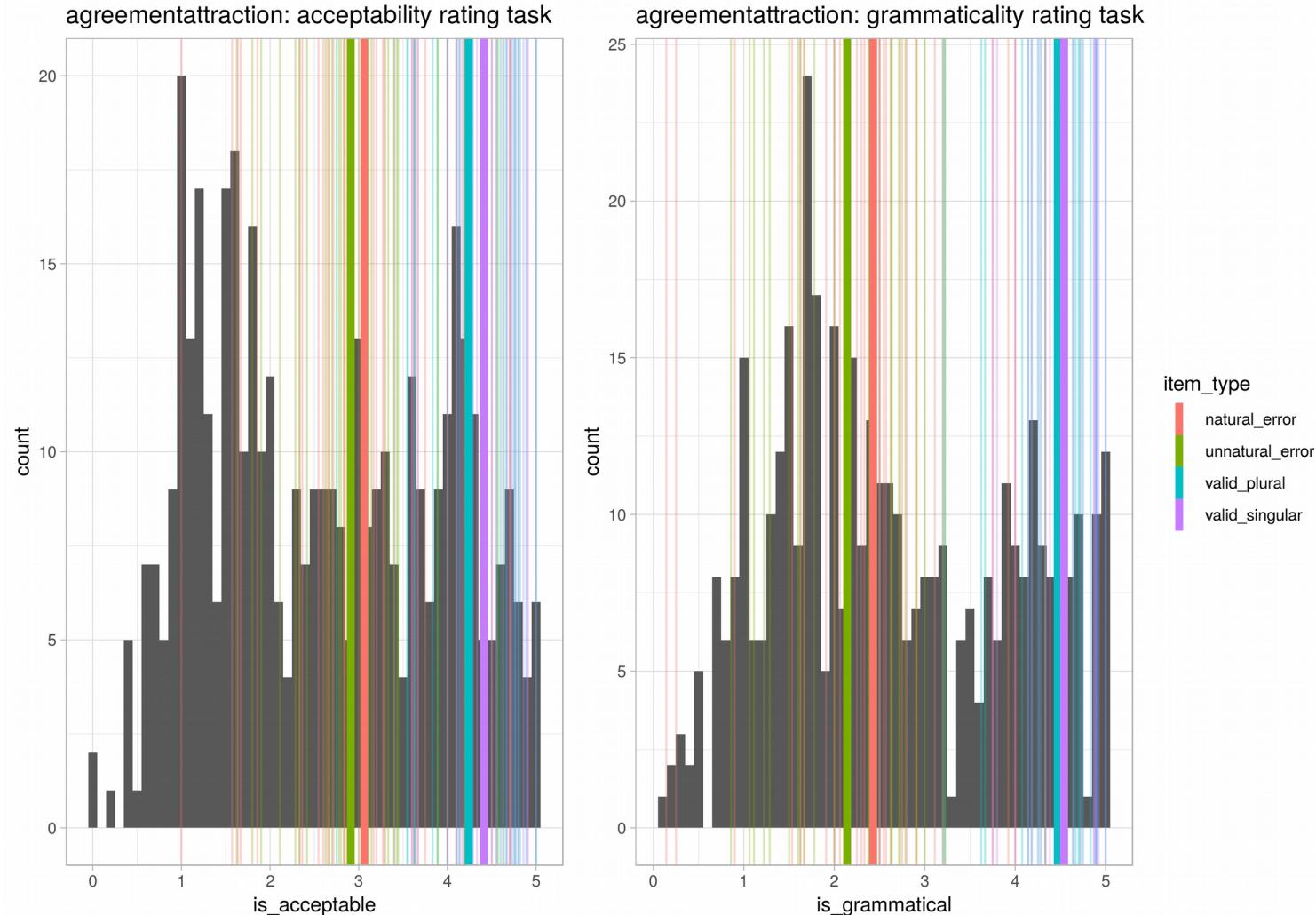




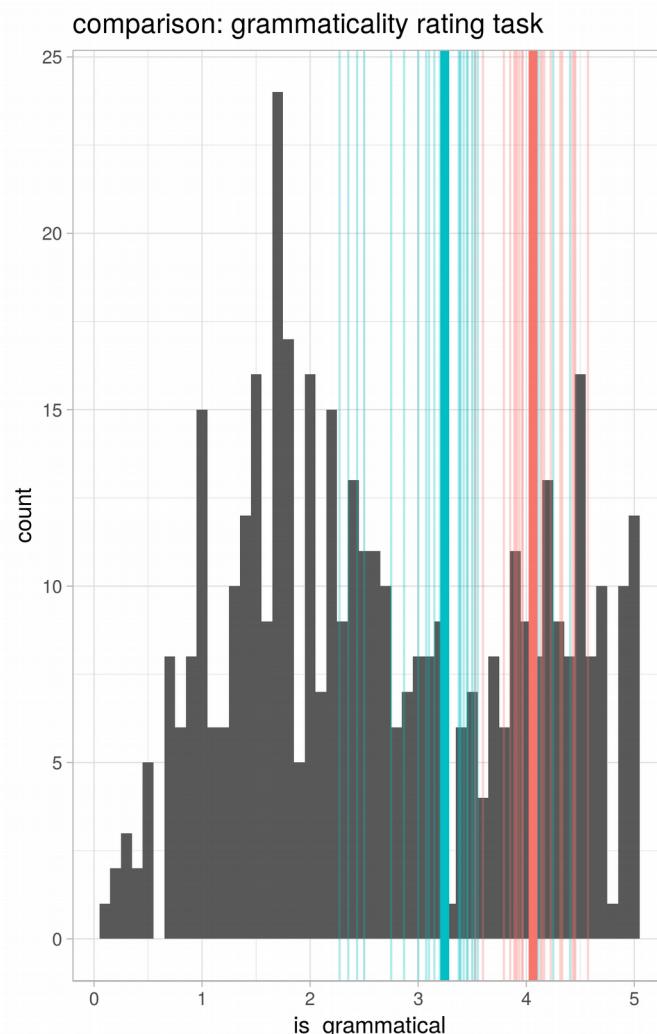
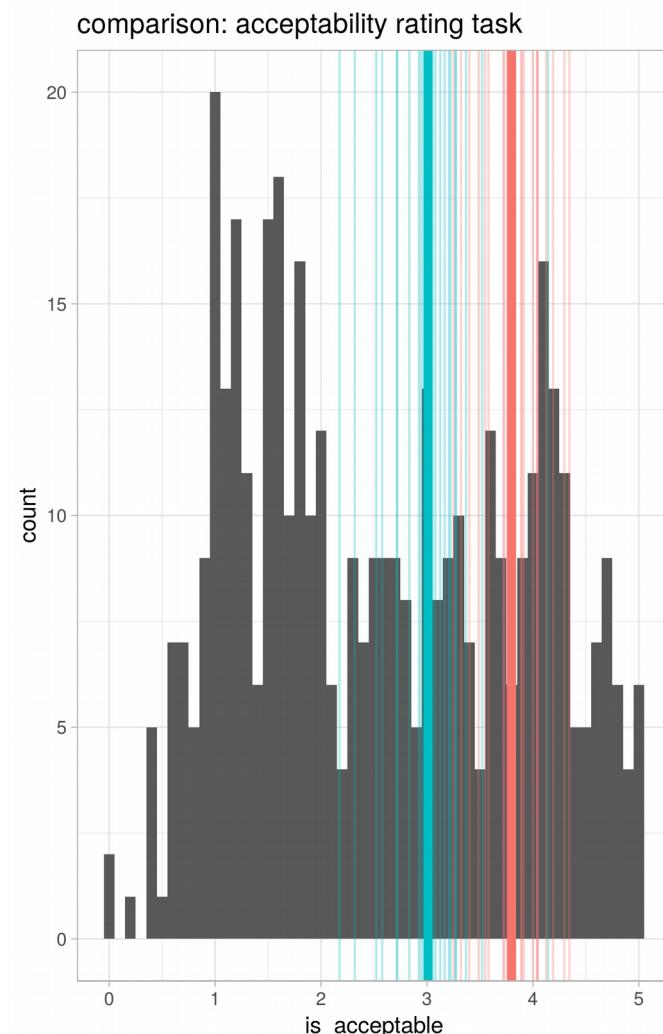
Embedding	Full embedding	The paper the student the catalog confused was studying in the library was missing a page
	Missing V1	The paper the student the catalog studying in the library was missing a page
	Missing V2	The paper the student the catalog confused was missing a page
	Missing V3	The paper the student the catalog confused was studying in the library.



Agreement attraction	Valid Singular	The label on the bottle is quite hard to read
	Valid Plural	The labels on the bottles are quite hard to read
	Natural error	The label on the bottles are quite hard to read
	Unnatural error	The labels on the bottle is quite hard to read



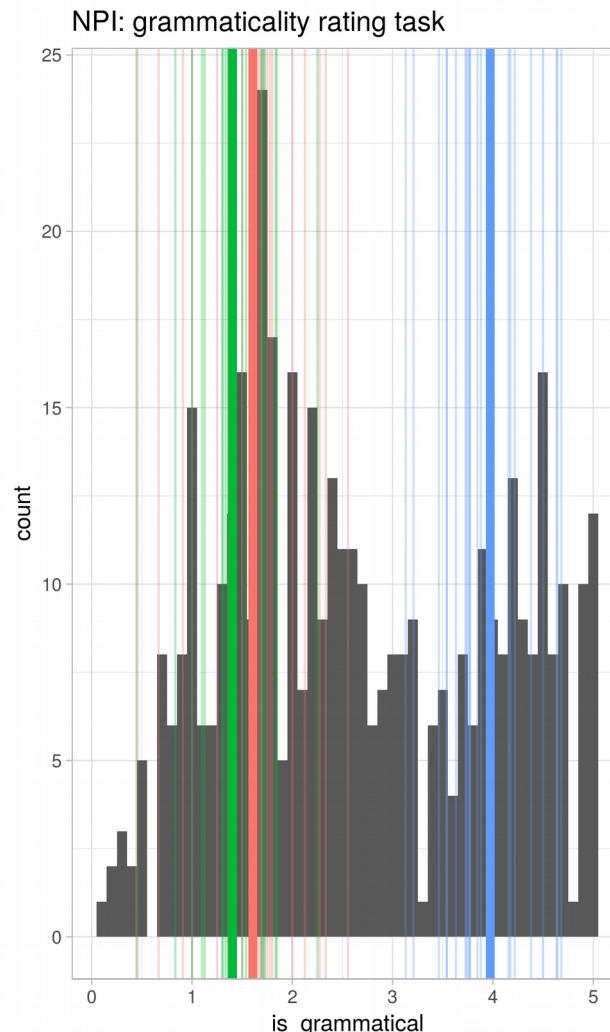
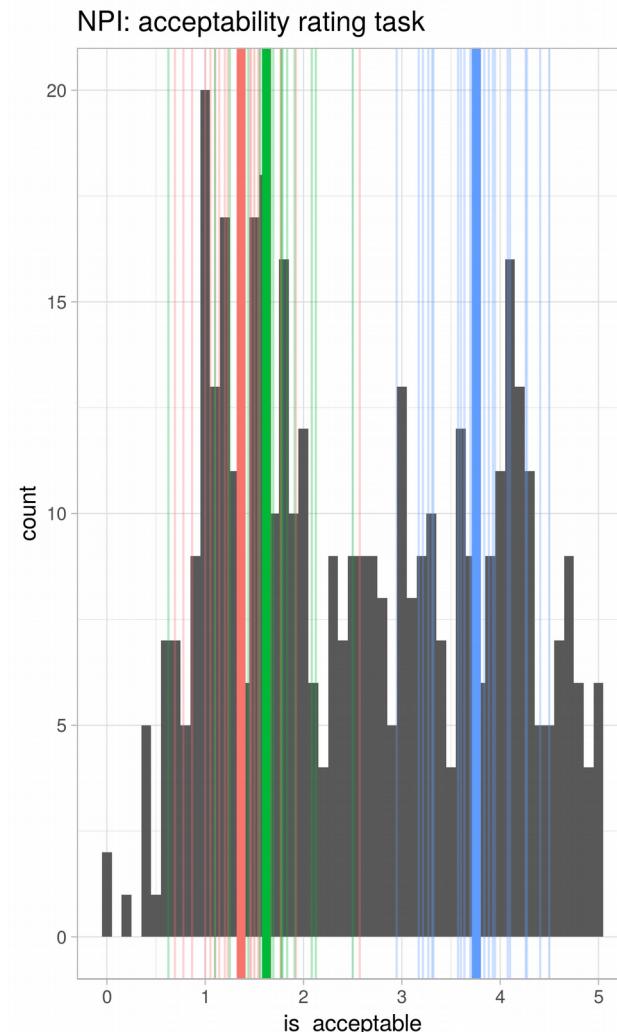
Comparison Illusion	Illusion	At the party more seniors were talking with the professors than the junior was.
	Control	At the party more seniors were talking with the professors than juniors were.



item_type

- control
- illusion

NPI Illusion	Valid	Few gamblers with a system have ever finished ahead.
	Partial match	A gambler without a system has ever finished ahead.
	Unlicensed	Most gamblers with a system have ever finished ahead.



item_type

- Partial match NPI
- Unlicensed NPI
- Valid NPI

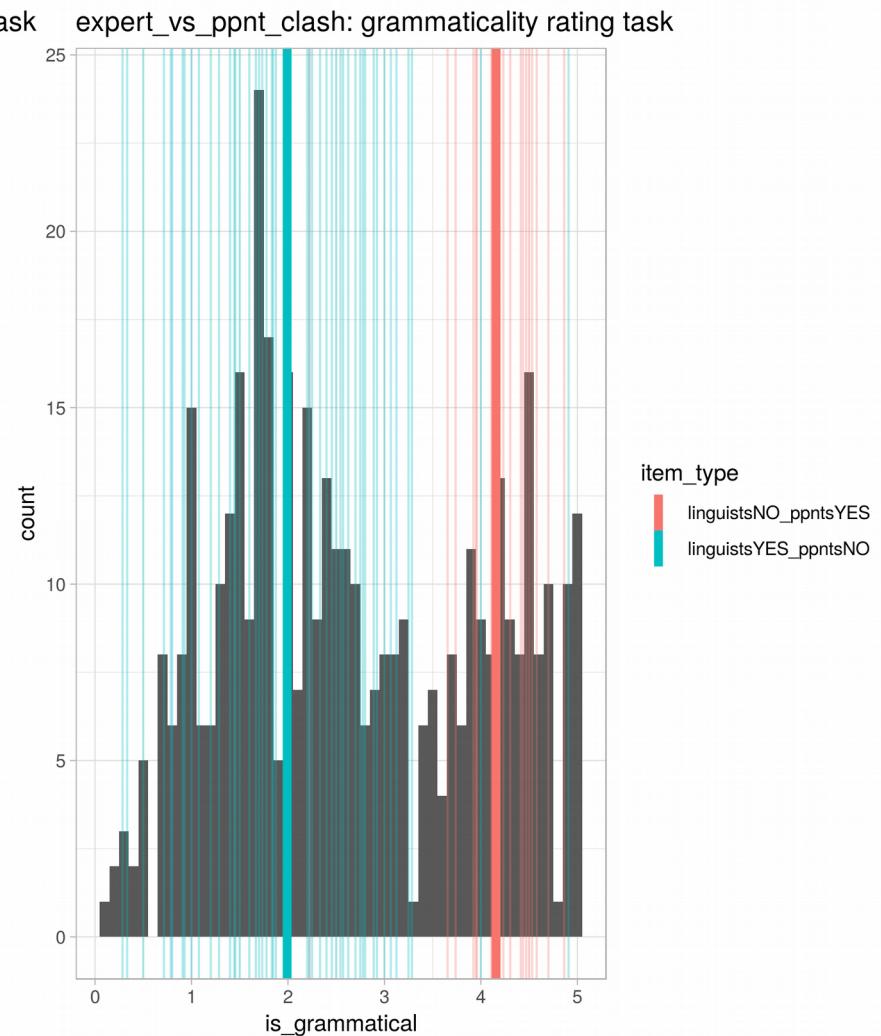
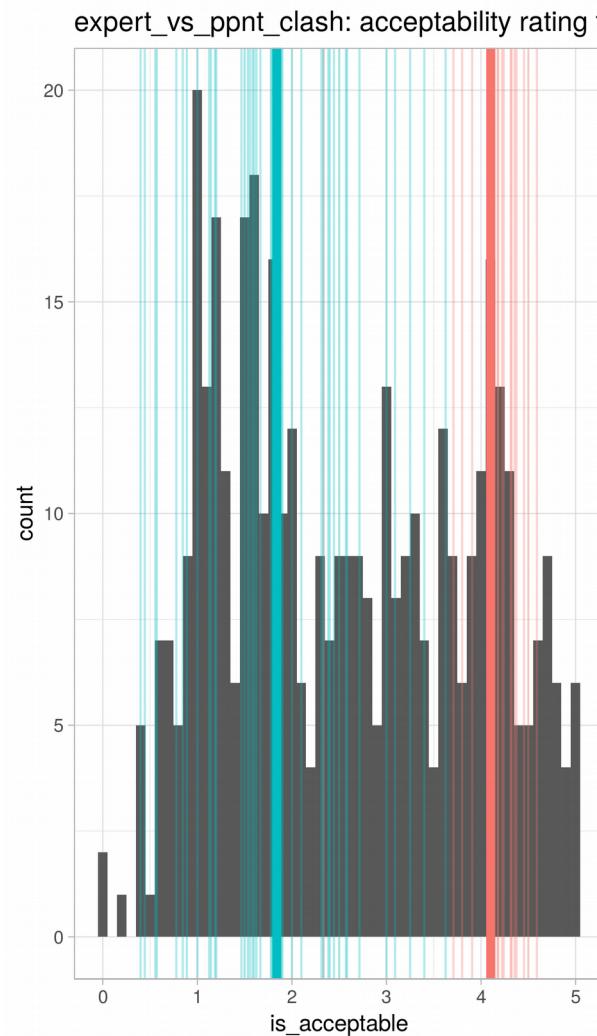
LI vs MTurk

LI-yes, Turk-no

The car was driven while being tired.

LI-no, Turk-yes

The game was played shoeless.



agreementattraction

comparison

embedding

expert_vs_ppnt_clash

NPI

3

2



-2

-3





