Visualizing data in ggplot

Day 5

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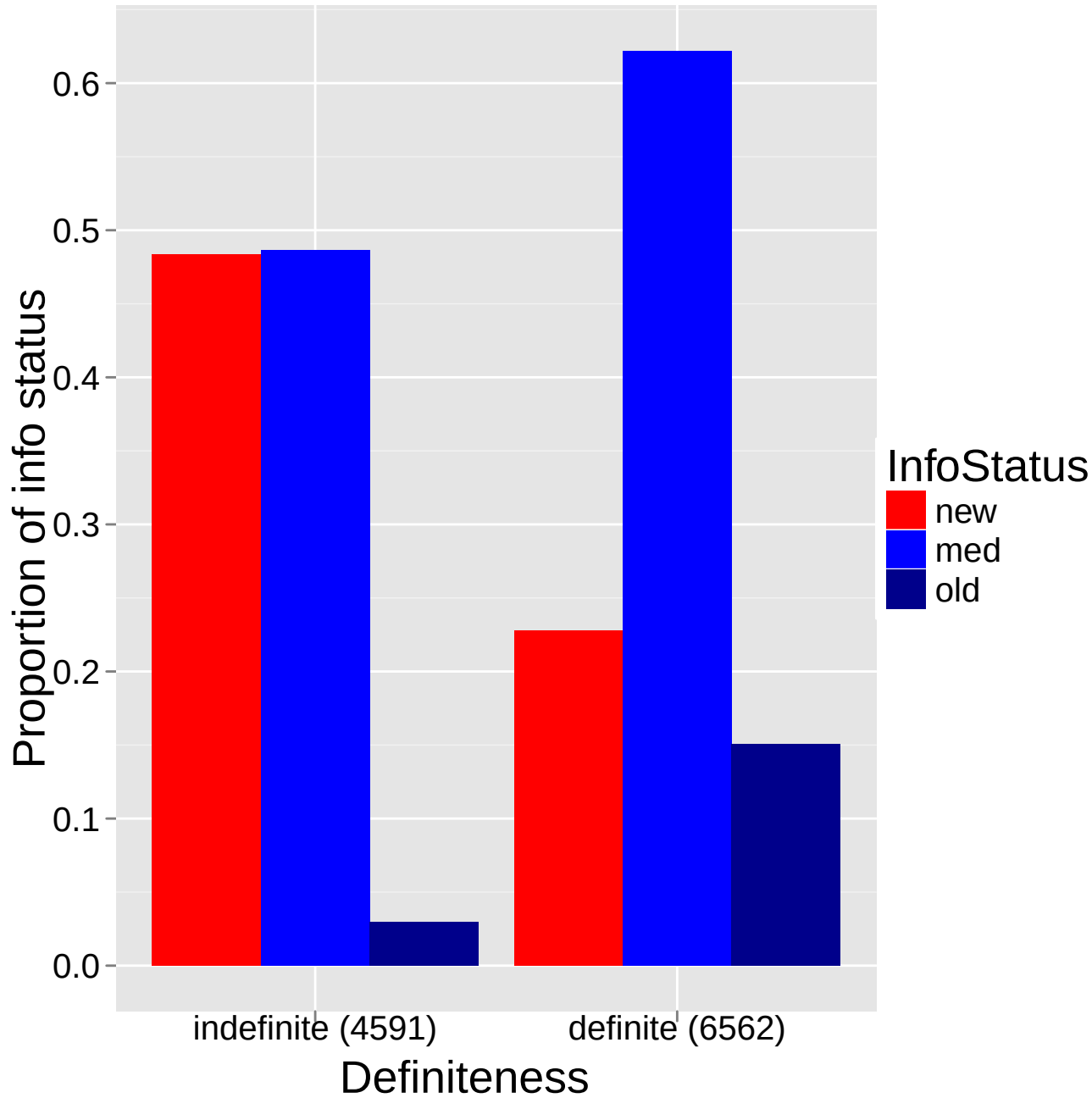
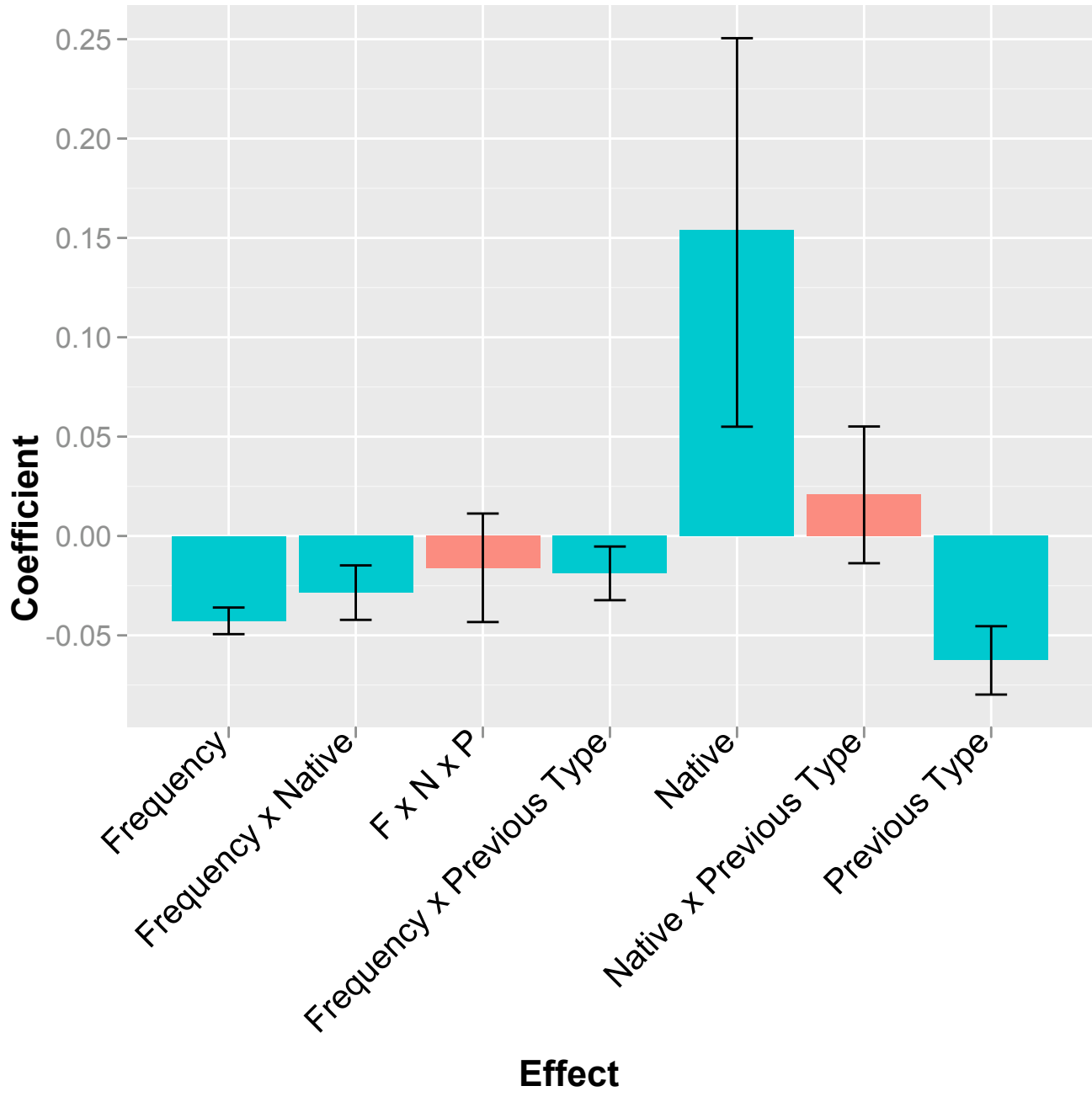
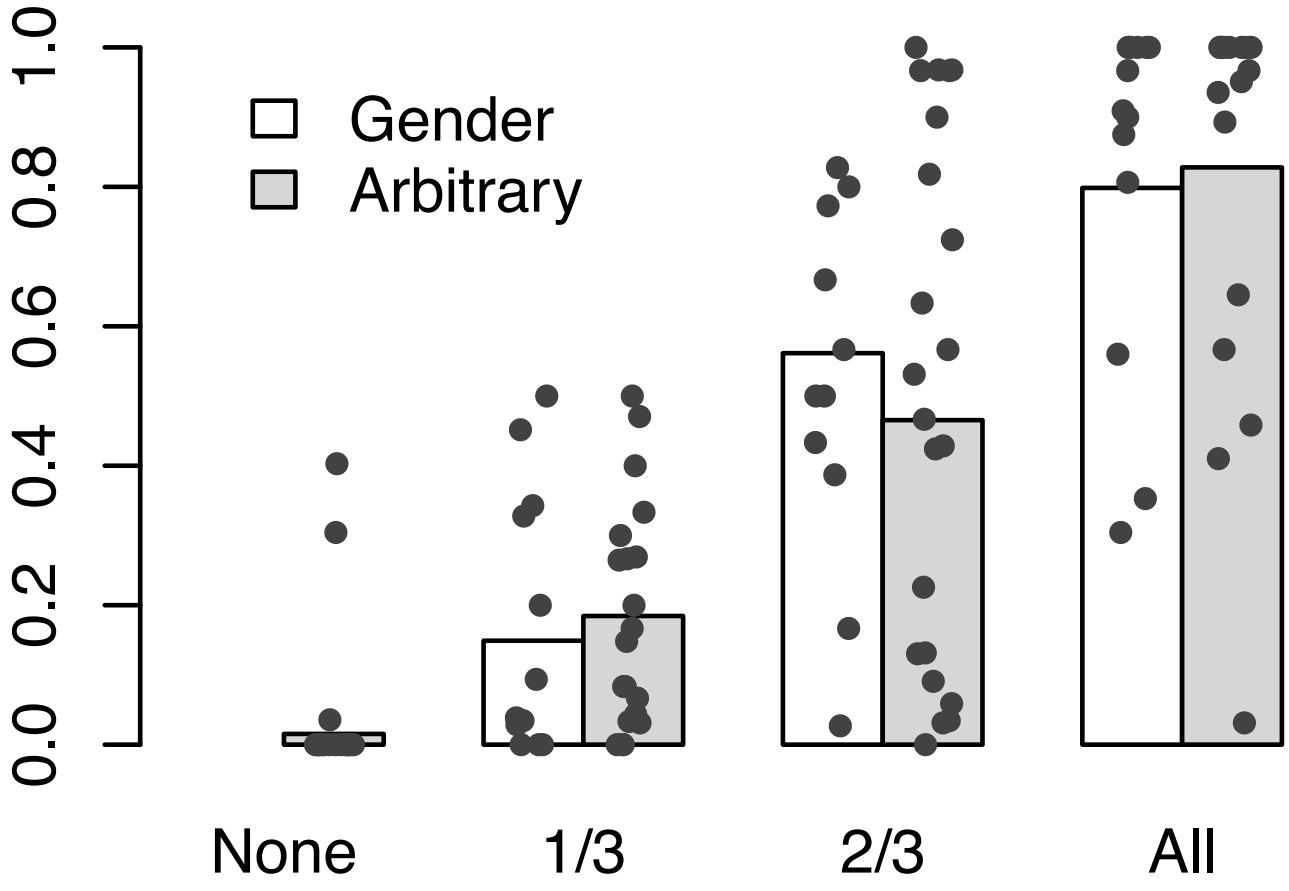
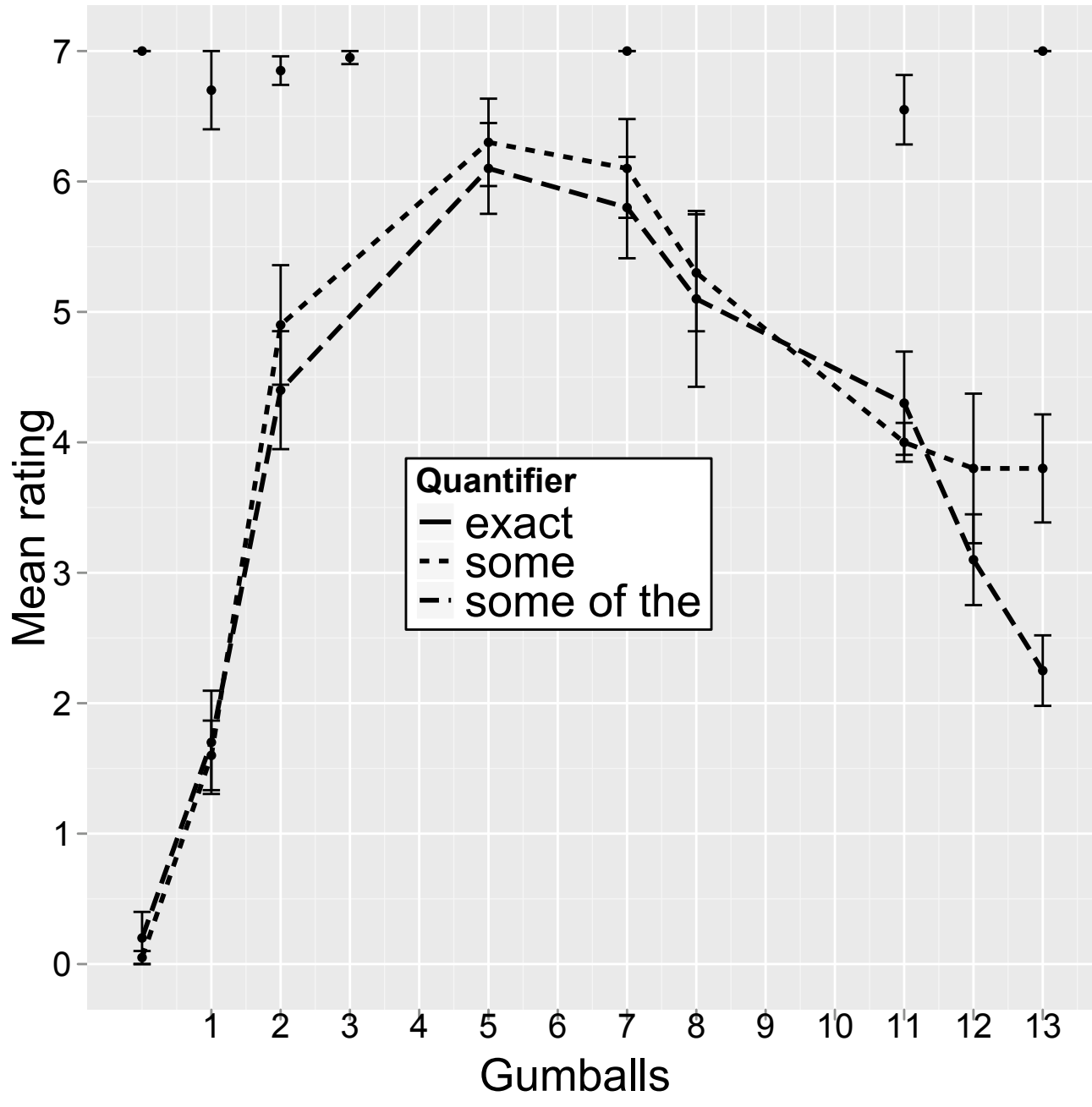
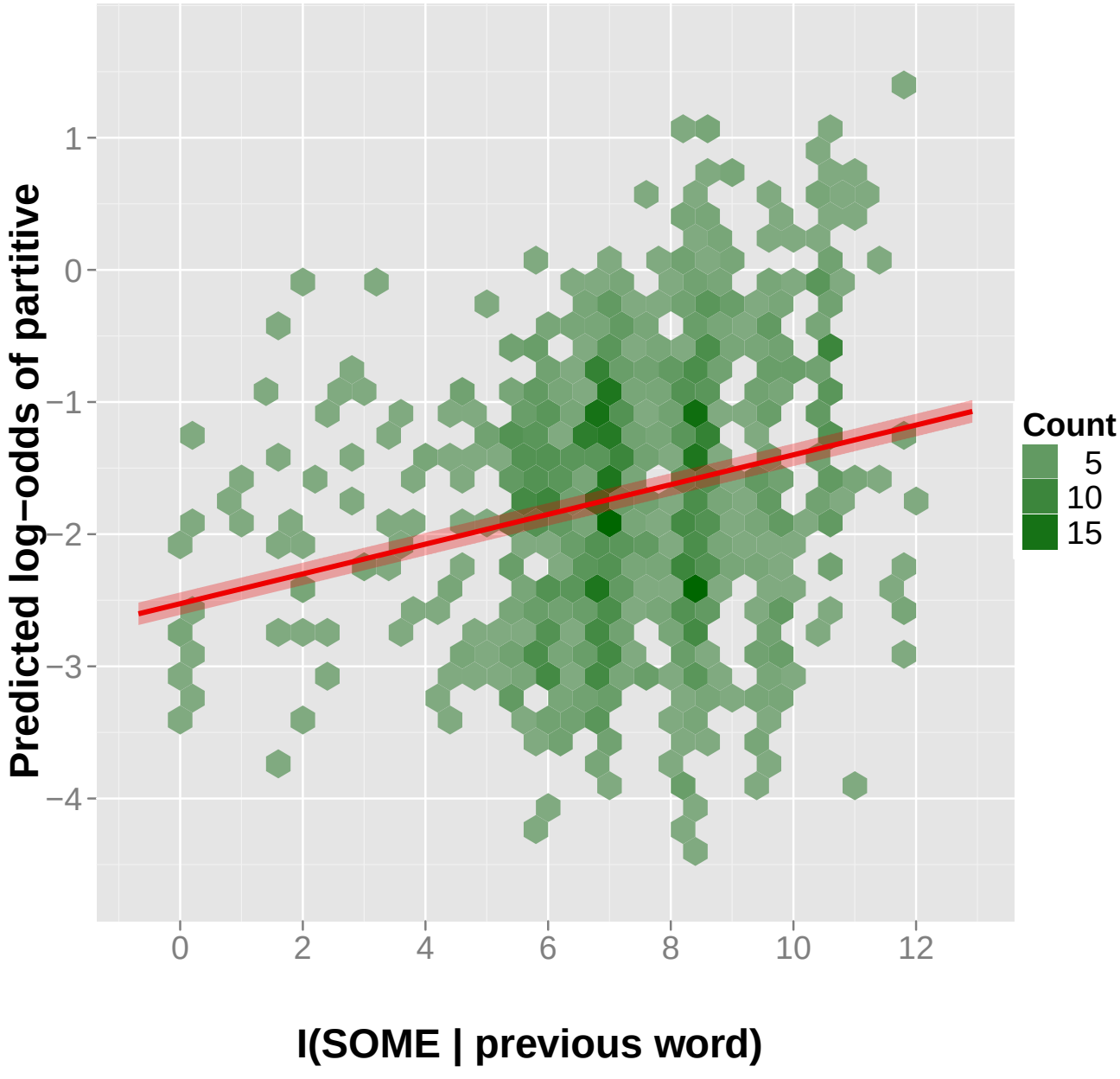
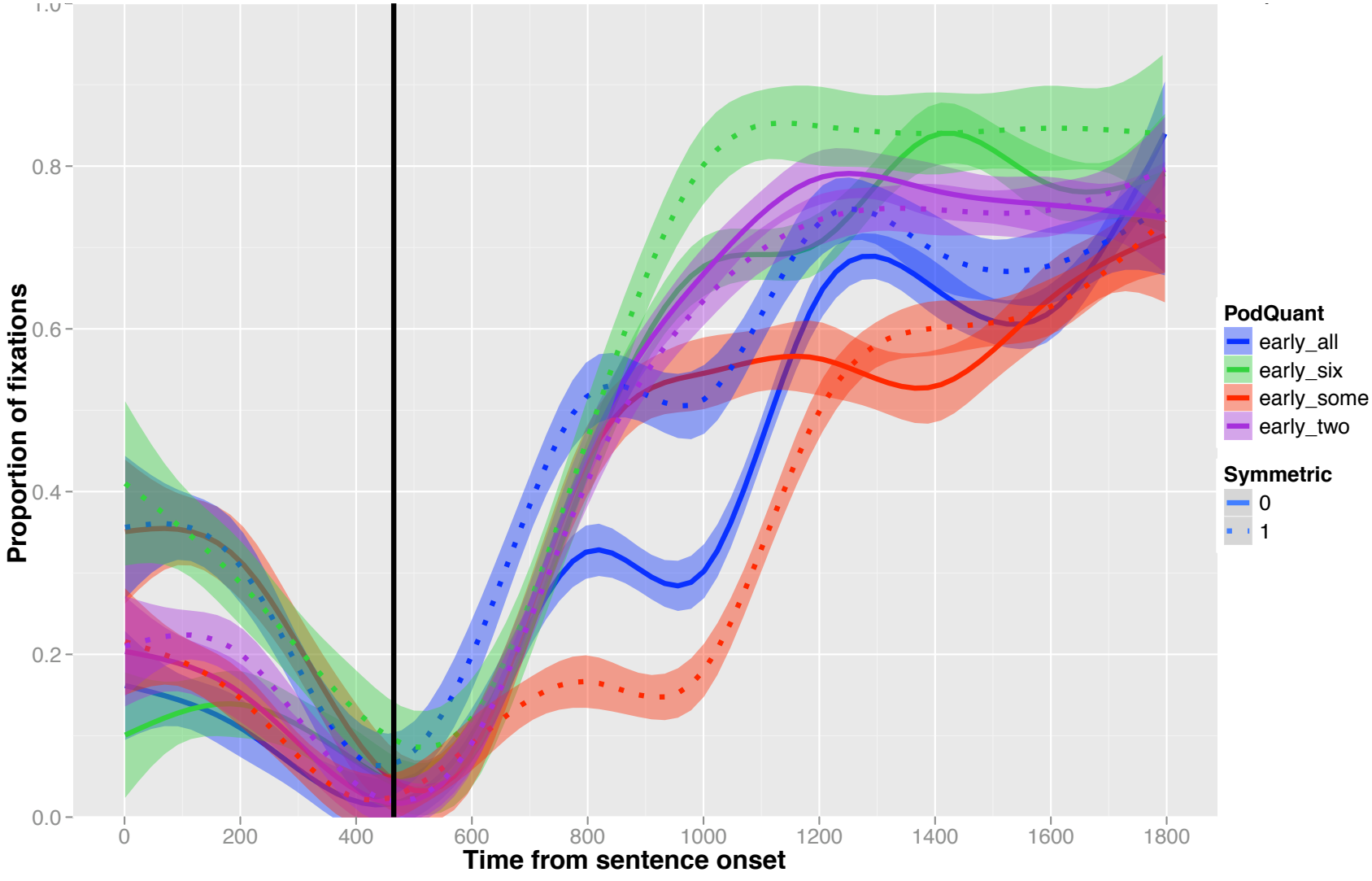

0.6
0.5
0.4
0.3
0.2
0.1
0.0
Proportion of info status
indefinite (4591)
definite (6562)
Definiteness
InfoStatus
new
med
old


0.25
0.20
0.15
0.10
0.05
0.00
-0.05
Coefficient
Frequency
Frequency x Native
F x N x P
Frequency x Previous Type
Native
Native x Previous Type
Previous Type
Effect


0.0
0.2
0.4
0.6
0.8
1.0
Gender
Arbitrary
None
1/3
2/3
All


Mean rating
Gumballs
Quantifier
exact
some
some of the
0
1
2
3
4
5
6
7
1
2
3
4
5
6
7
8
9
10
11
12
13


Predicted log−odds of partitive
1
0
−1
−2
−3
−4
0
2
4
6
8
10
12
I(SOME | previous word)
Count
5
10
15


Proportion of fixations
0.0
0.2
0.4
0.6
0.8
1.0
0
200
400
600
800
1000
1200
1400
1600
1800
Time from sentence onset
PodQuant
early_all
early_six
early_some
early_two
Symmetric
0
1

What's in a (gg)plot?

- data
- geoms (geometric objects)
- stats (optional data transformation)
- scales (mapping of values in data space to values in aesthetic space)
- coordinate system
- facets (conditioning specification)

Layers

- plots are organized in layers
- each layer has four components:
  - data and aesthetic mapping (controlled by scale)
  - statistical transformation
  - geometric object
  - position adjustment

Today

- histograms
- density curves
- scatterplots
- line plots
- barcharts

http://had.co.nz/ggplot2/