

Rock Climbing Knowledge Quiz

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Figure 1 shows the results of the posterior estimates for an additive scale. As you can see this is linear with most responses falling near the regression line. The correlation between the additive scale and model is a very satisfying .9842 with a highly significant $p \leq .001$.

Figure 1: Posterior Estimates vs. Additive Scale

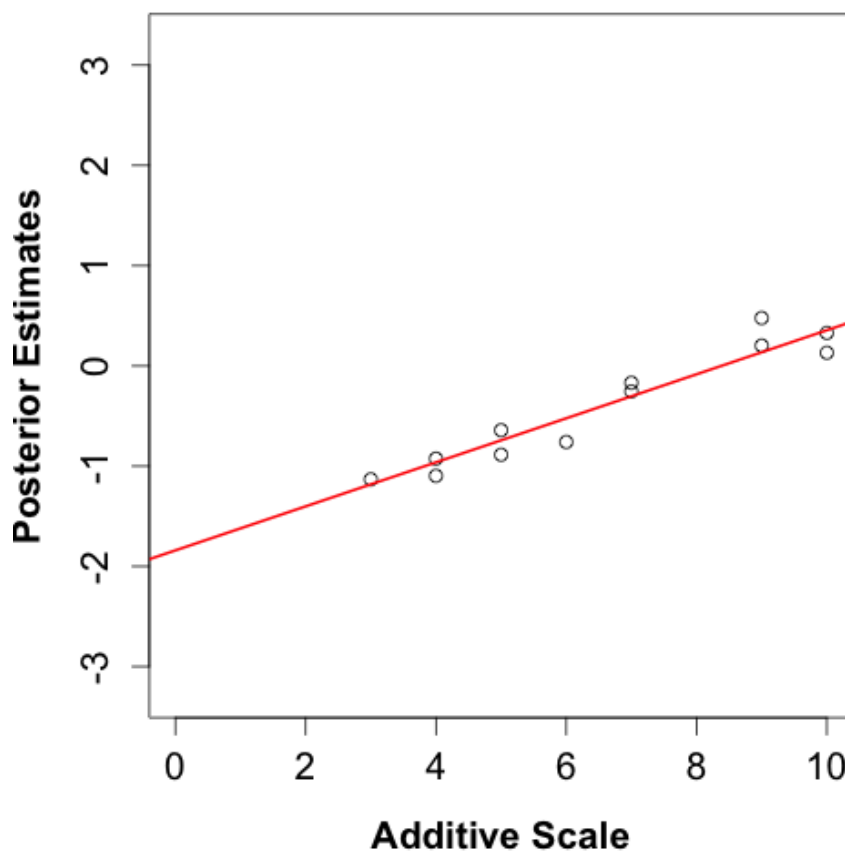


Figure 2 shows the respondents with their respective posterior estimates. From this plot, we can presume that respondent 2/18/15 14:40 has the most latent rock climbing knowledge, while respondent 2/17/15 17:33 has the least latent rock climbing knowledge (this was possibly me).

Figure 2: Respondents with Posterior Estimates

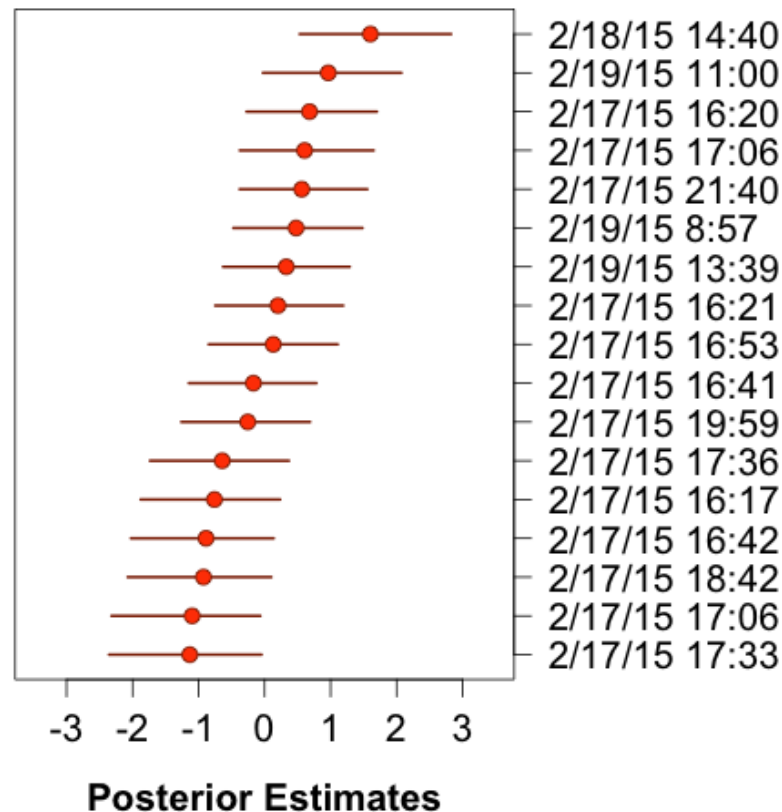
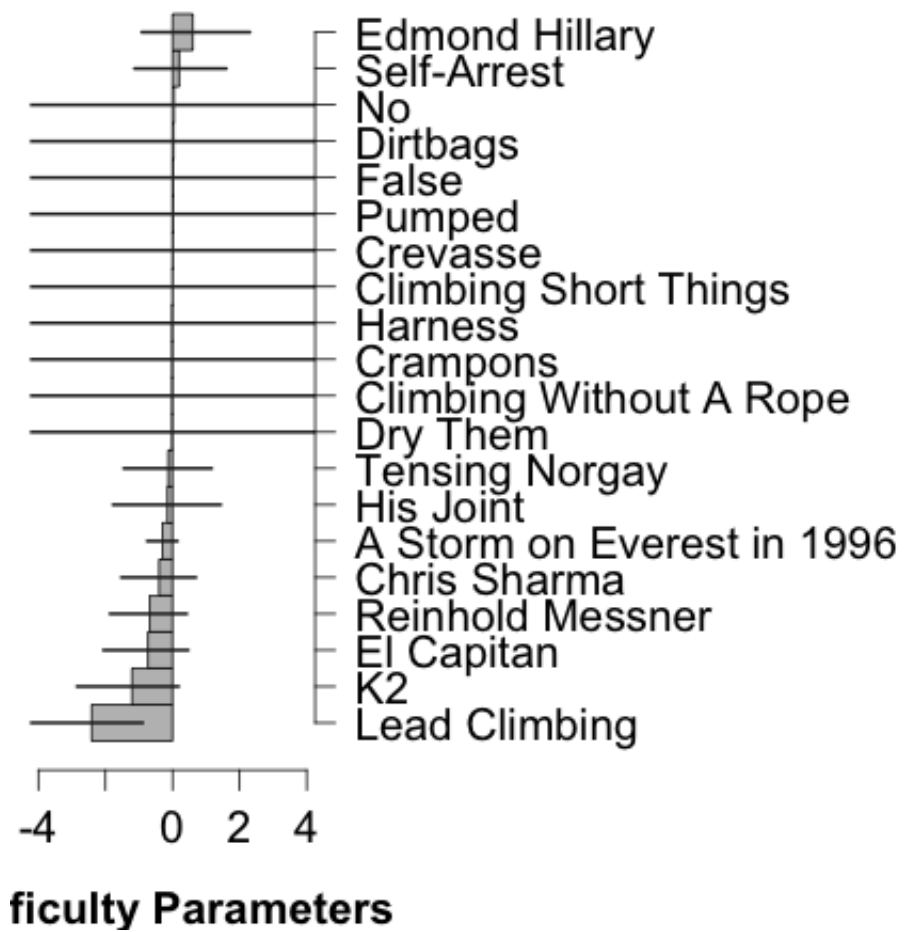


Figure 3 shows the difficulty of each individual question. The easiest question on this quiz would appear to be Edmond Hillary, while the most difficult question was discussing lead climbing. However, there is quite a bit of overlap in the middle regions giving a less than satisfying scale for the mid-ranges, but successfully showing the extremes of knowledge.

Quiz Questions

1. Which climber established 5.15a?

Figure 3: Parameter Difficulty



- David Lama
- Alex Honnold
- Alexander Megos
- **Chris Sharma**

2. Spikes worn on mountaineering boots are called?

- boot spikes
- climbing spikes
- **crampons**
- ice tools

3. Climbers without jobs are called?

- bums
- most climbers don't have jobs
- **dirt bags**
- homeless climbers

4. Climbers put chalk on their hands in order to:

- **dry them**
- get better friction
- look cool
- blind people below them

5. "Free soloing" is:

- climbing in the nude
- **climbing without a rope**
- climbing sans underwear
- not a thing

6. "Into Thin Air" recounts the events of ("Into Thin Air" is a book)

- an avalanche in the khomba ice fall
- a storm on K2 in 1992
- **a storm on Everest in 1996**

7. What is stopping a fall with an ice axe called?

- no specific term for this
- self-stop
- self-rescue
- **self-arrest**

8. What did John Krakauer burn his tent down with before climbing the Devil's Thumb:

- his stove
- his campfire
- his cigarette
- his pipe
- **his joint**

9. Who was the first non-white person to climb Mount Everest?

- Angharkay
- Gaylay
- **Tenzing Norgay**
- Pasang Dawa Lama

10. Which of the following is not one of the "seven summits"(the seven summits are the tallest mountains on each continent)?

- Kilimanjaro
- Denali
- Everest
- Aconcagua
- Vinson Massif
- **K2**

11. When you are really tired from climbing you are?

- blazed
- torched
- **pumped**

12. Climbing is an olympic sport?

- true
- **false**

13. State college has a climbing gym?

- yes
- **no**

14. "Free climbing" means:

- climbing without a rope
- climbing with a rope anchored at the top
- **lead climbing**

15. What is a crack in a glacier?

- no specific name
- fissure
- **crevasse**
- cornice

16. The Dawn Wall is on:

- **El Capitan**
- Half Dome
- The Chief
- Mount Watkins

17. What piece of equipment is the rope attached to whilst climbing:

- belay device
- **harness**
- a grigri
- a carabiner

18. Bouldering is:

- sport climbing
- trad climbing
- top roping
- scrambling on rocks
- **climbing short things**

19. Who was the first white person to climb Mount Everest?

- Hillary Clinton
- George Mallory
- **Edmond Hillary**
- Edmond Dantes

20. Who was the first to climb all 8000m peaks without oxygen?

- **Reinhold Messner**
- Ueli Steck
- Ed Viesturs
- Steve House