



SHIELD

School Health Institute for Education and Leadership Development

BOSTON
UNIVERSITY
SCHOOL of
Public Health

Research Methods Course: Participant Pre-test Survey

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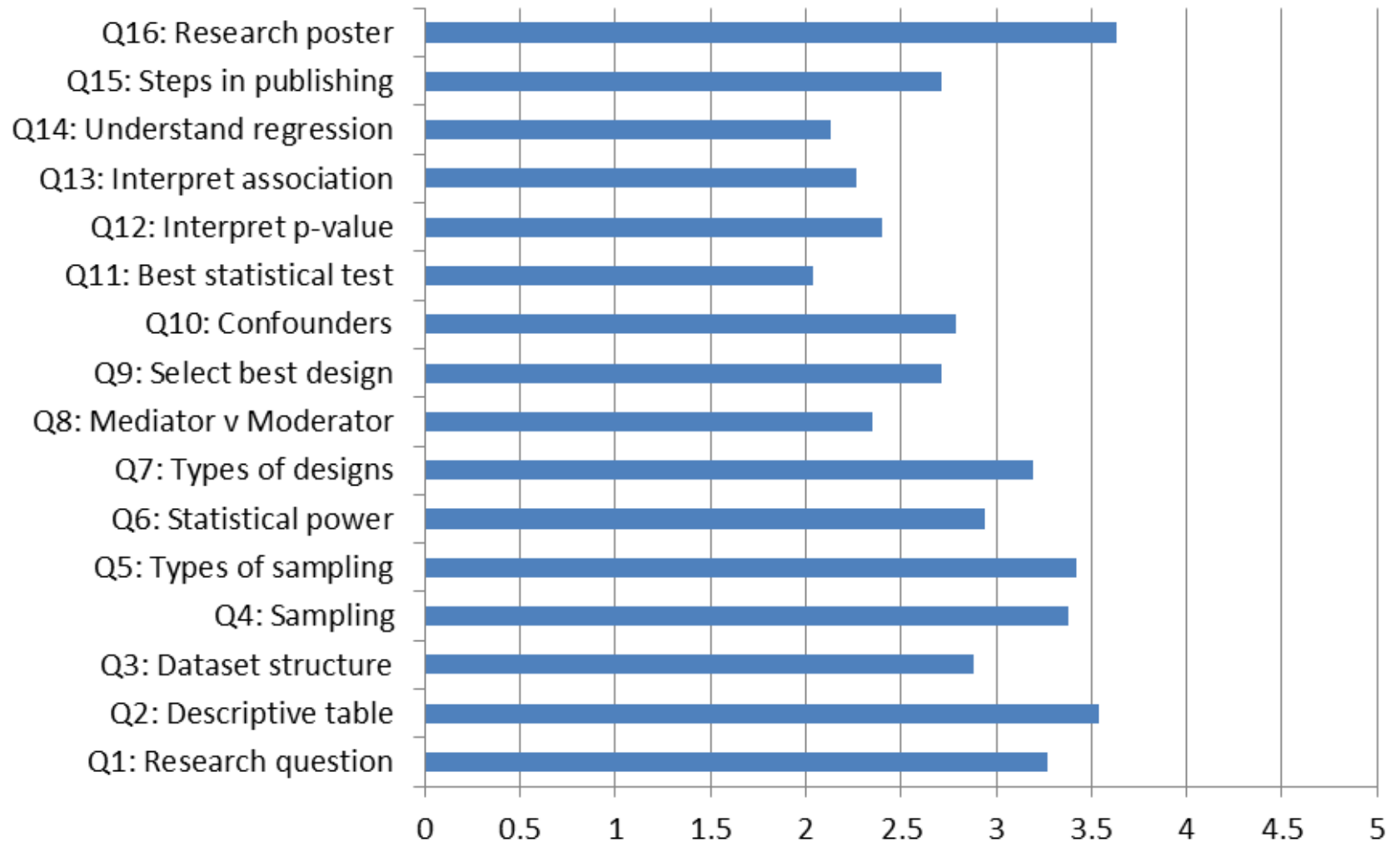
Method

- October 14: Survey administered to 24 participants
- Questions highlight level of confidence participants have for various components of course
- Highlights reported

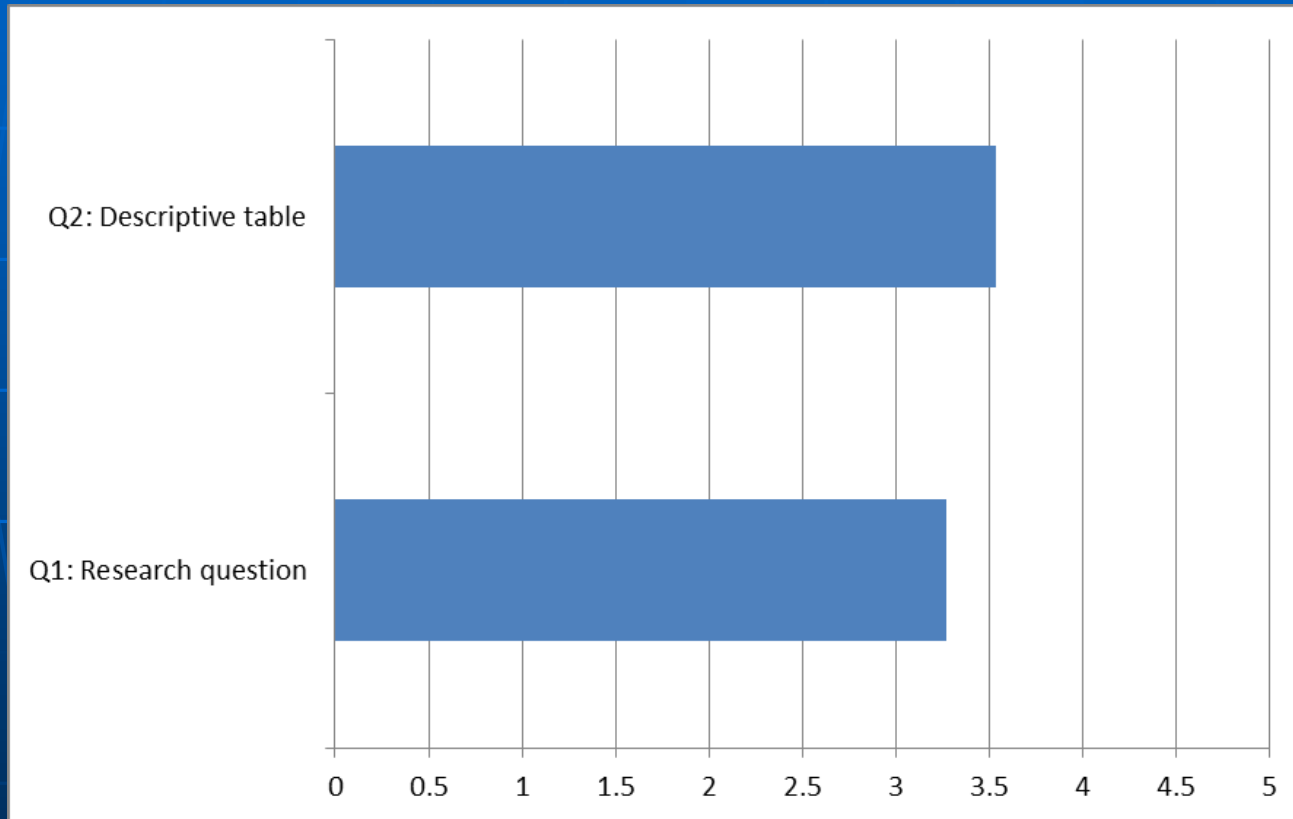
Survey items by Course Session

1. Research Questions (Item 1)
2. Distributions, data tables (Item 2)
3. Datasets, statistical power (Items 3-6)
4. Research study design, confounders, mediators, moderators (Items 7-10)
5. Statistical tests, p-values, power (Items 11-12)
6. Measures of association: Correlations, regression (Items 13-14)
7. Interpreting and disseminating (Item 15)
8. Presentation (Item 15)

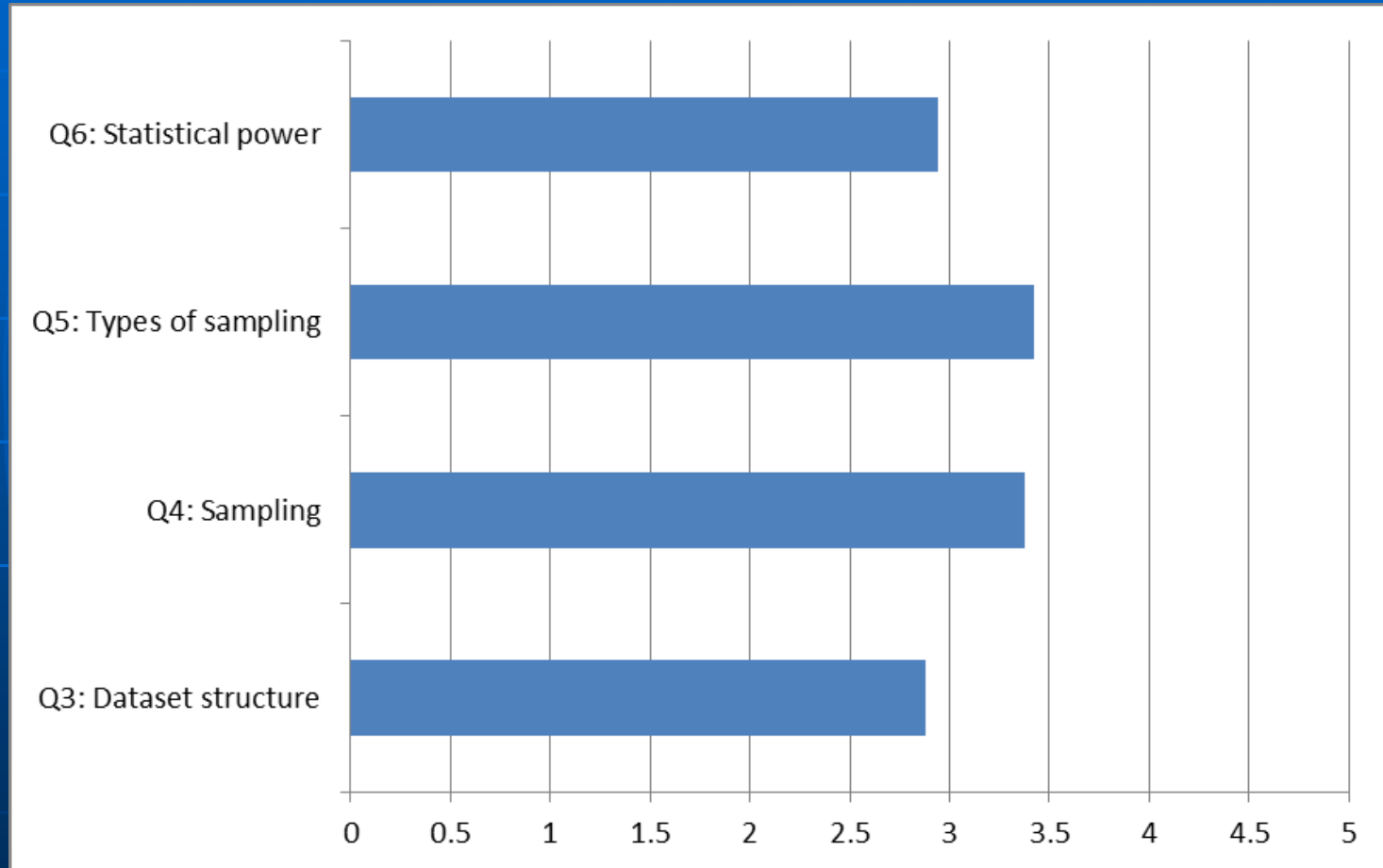
Means for all Survey Items



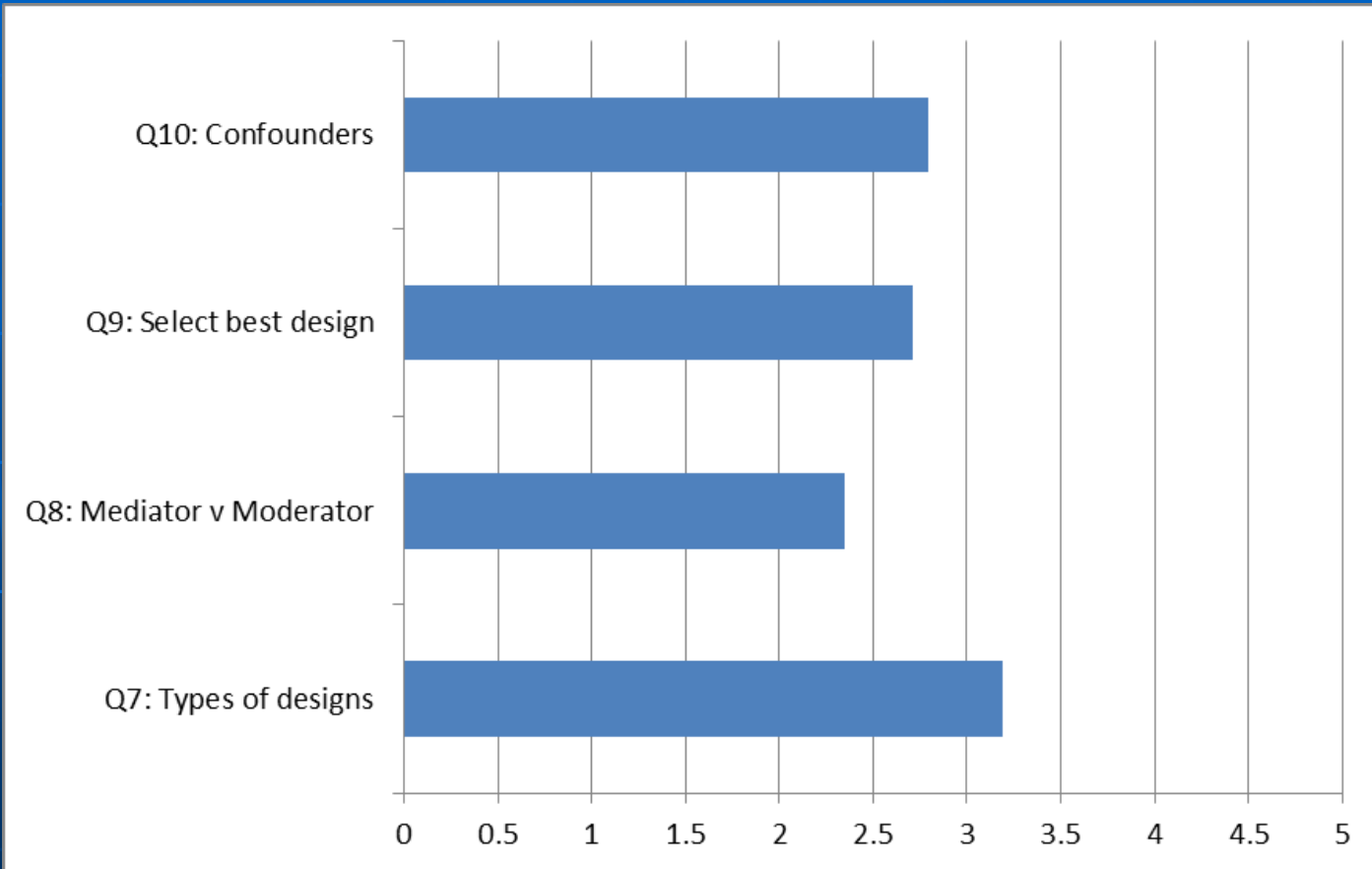
Sessions 1 & 2 Survey Items



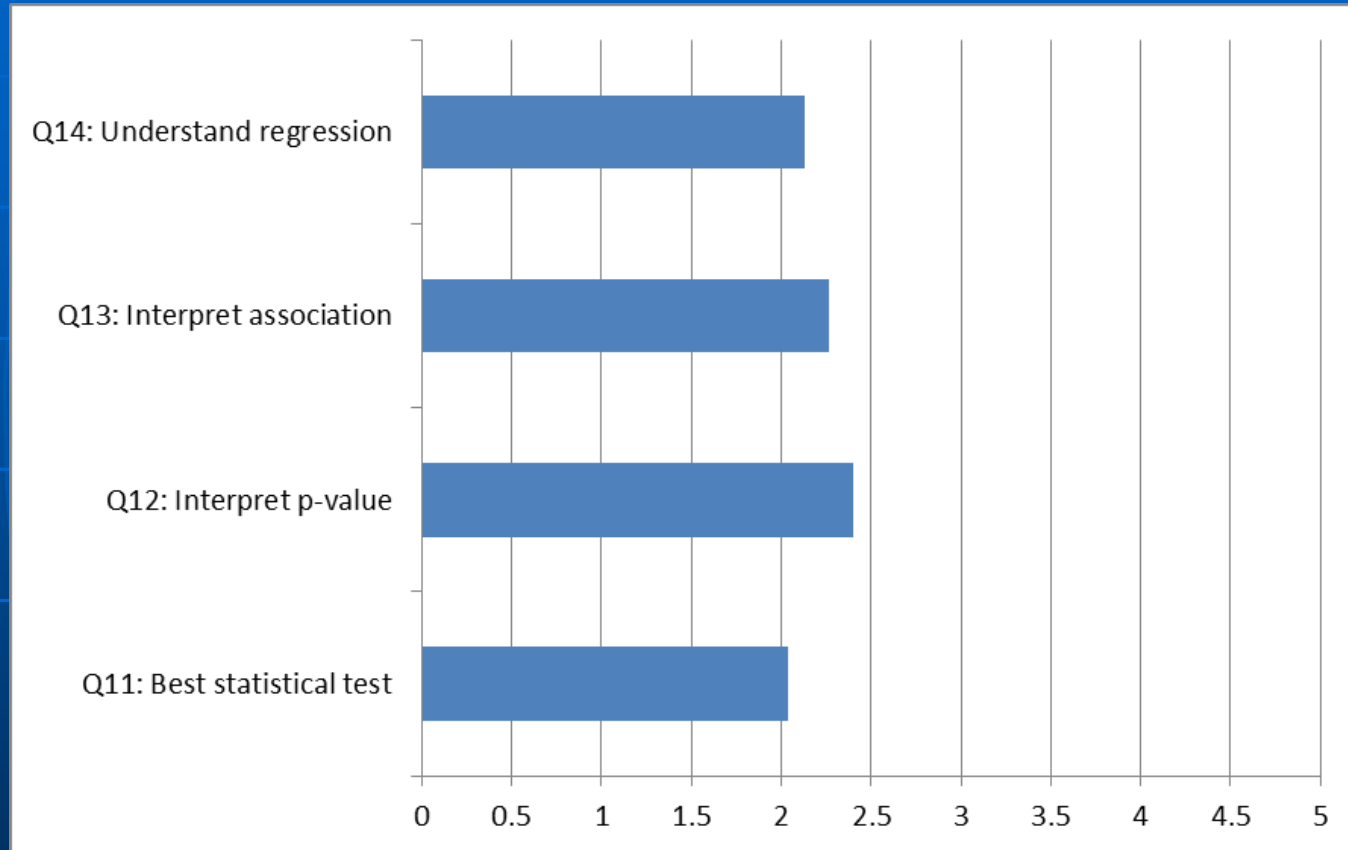
Session 3 Survey Items



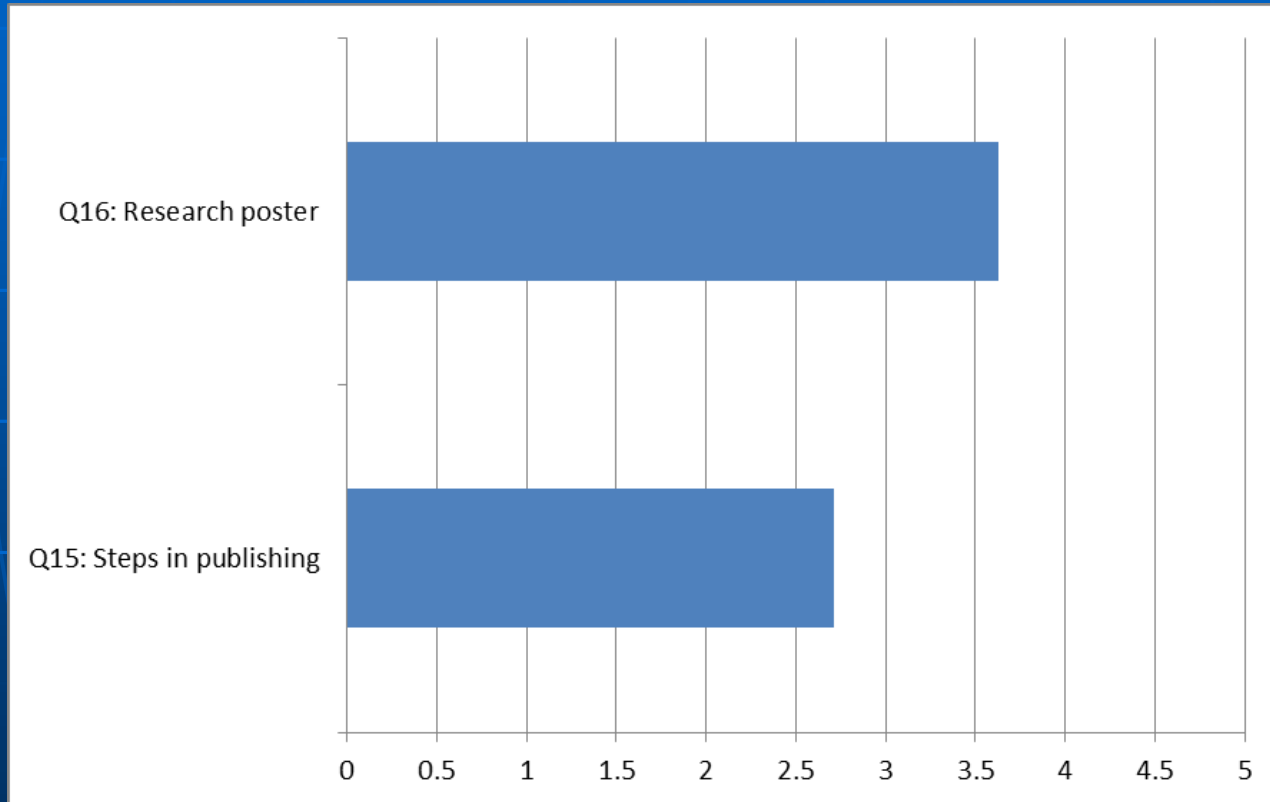
Session 4 Survey Items



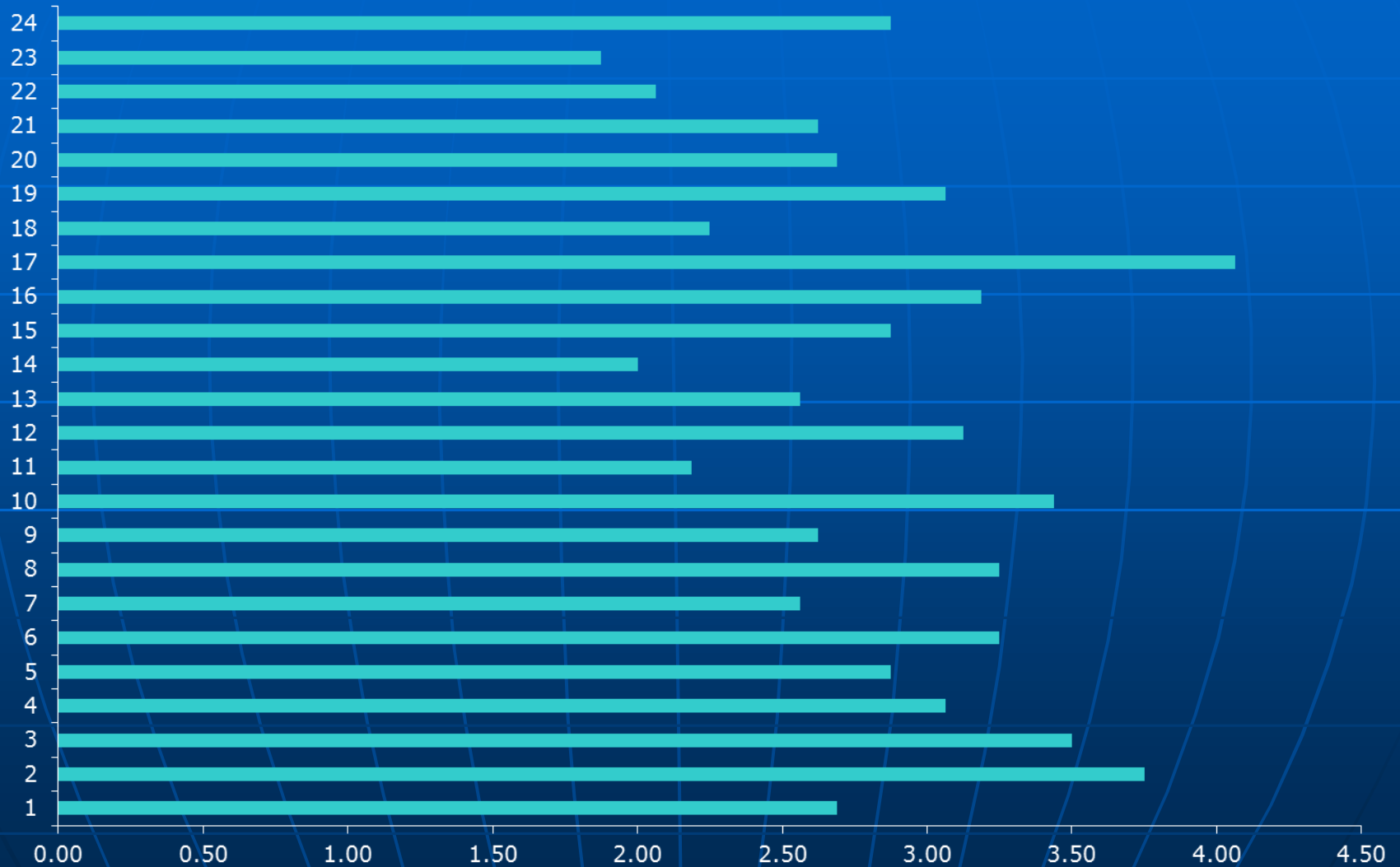
Sessions 5 & 6 Survey Items



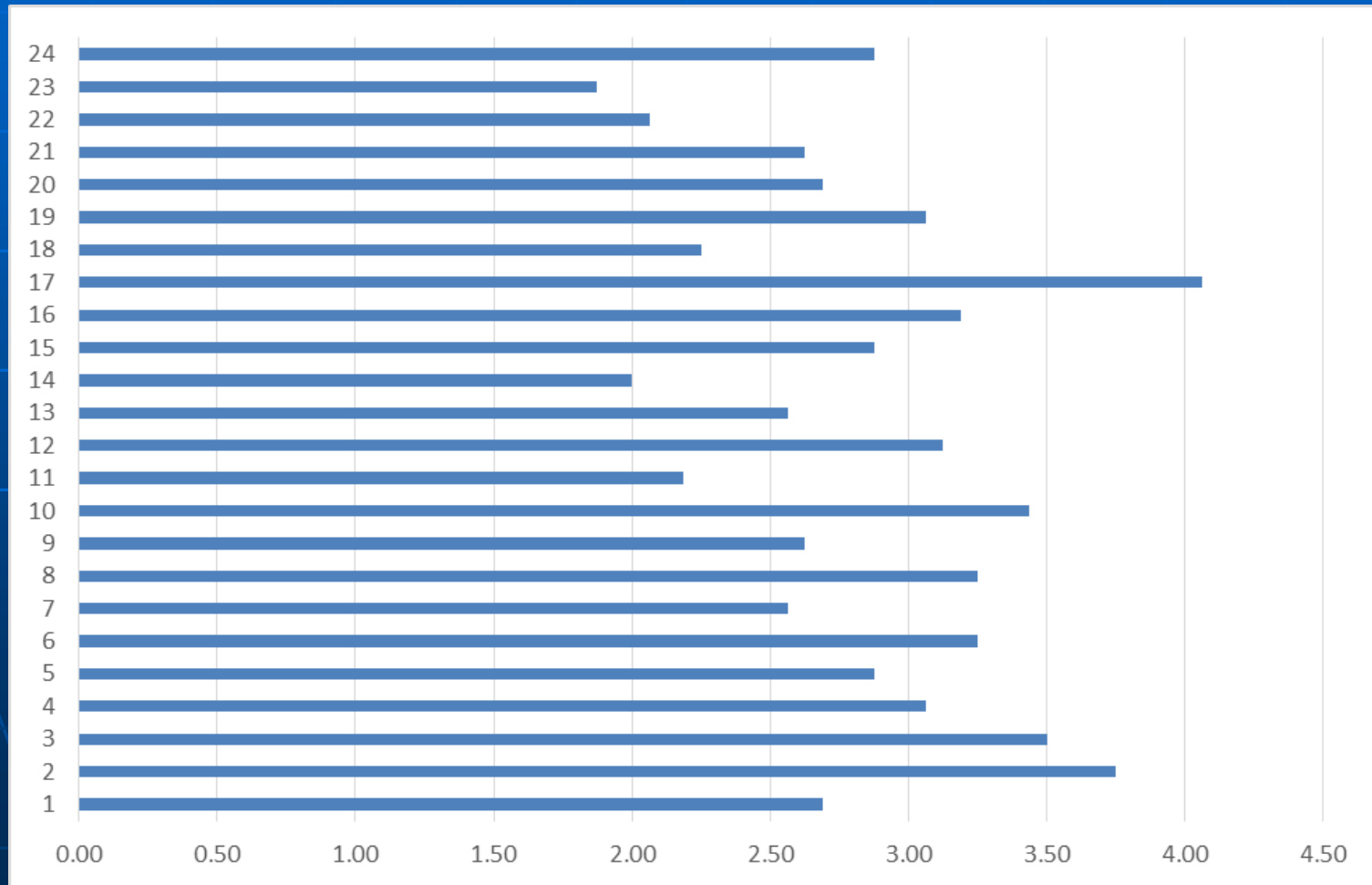
Sessions 7 & 8 Survey Items



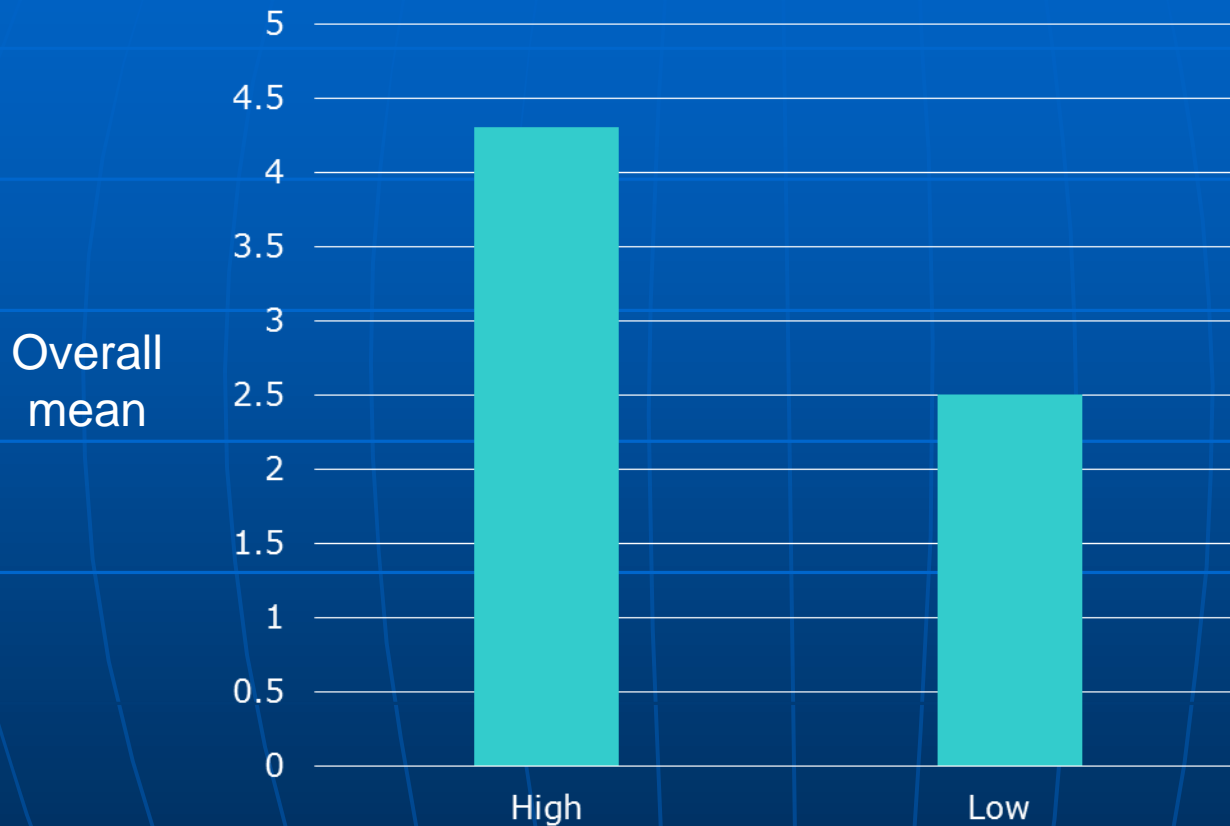
Variability in course participants



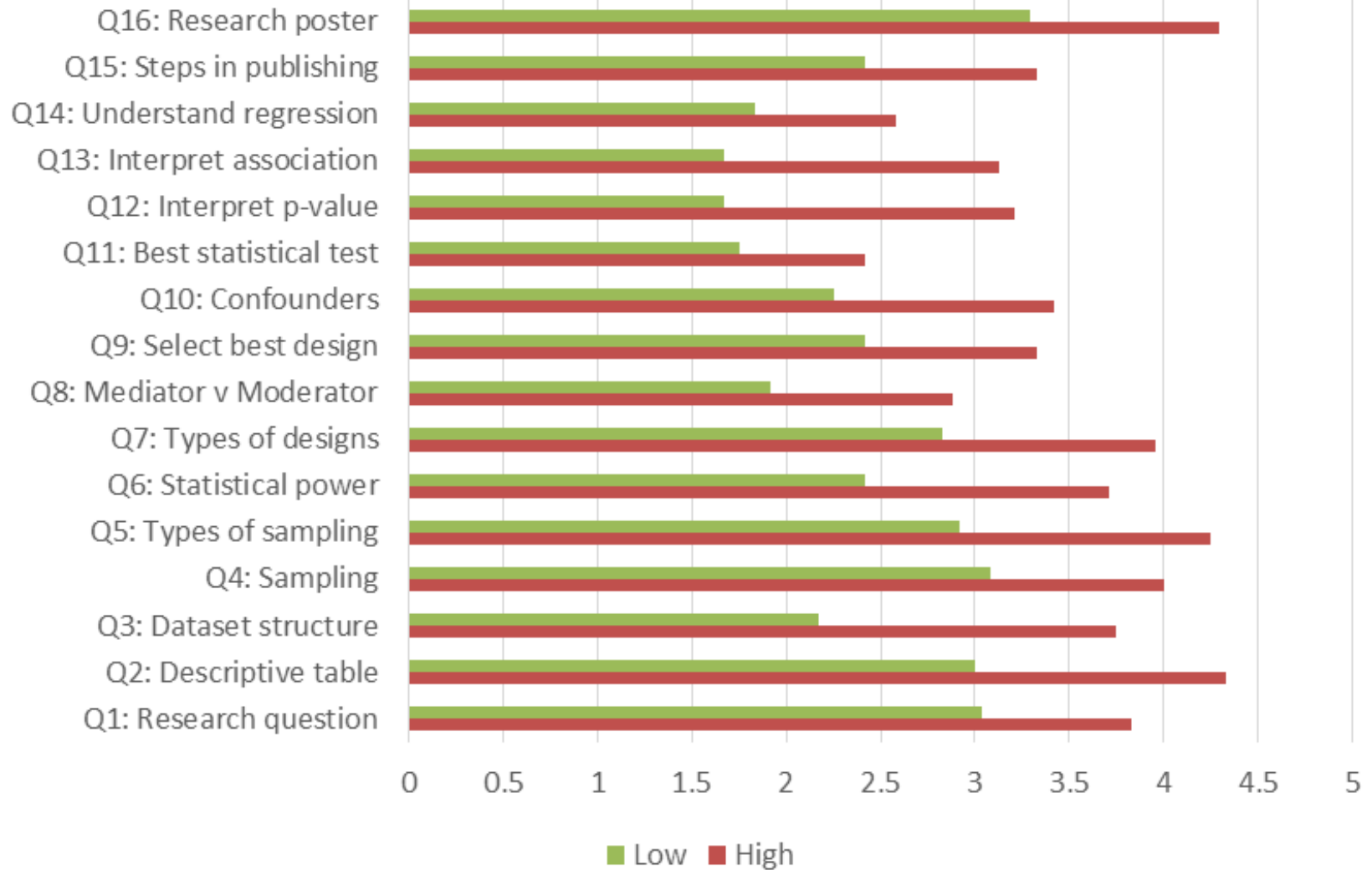
Variability in course participants



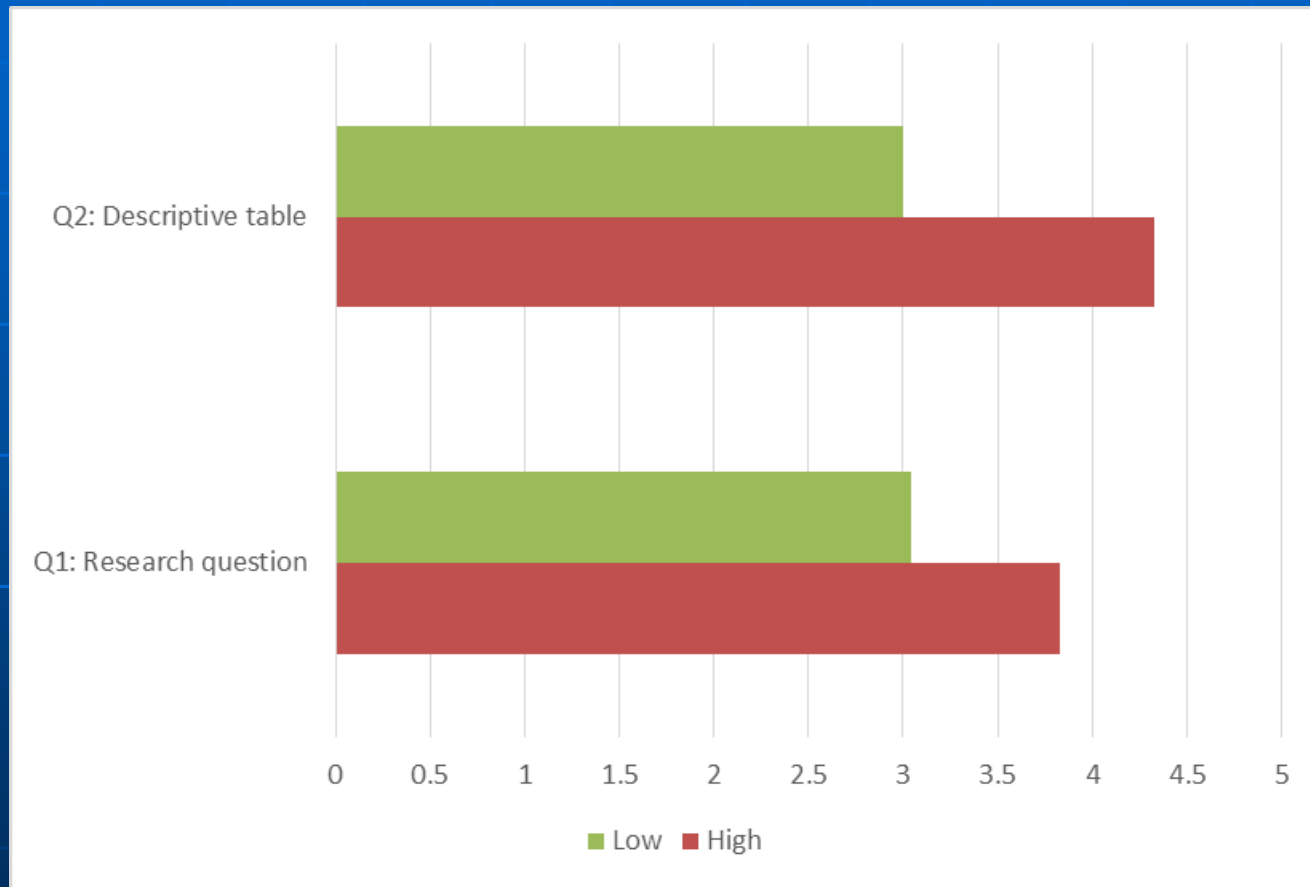
Median split of participants



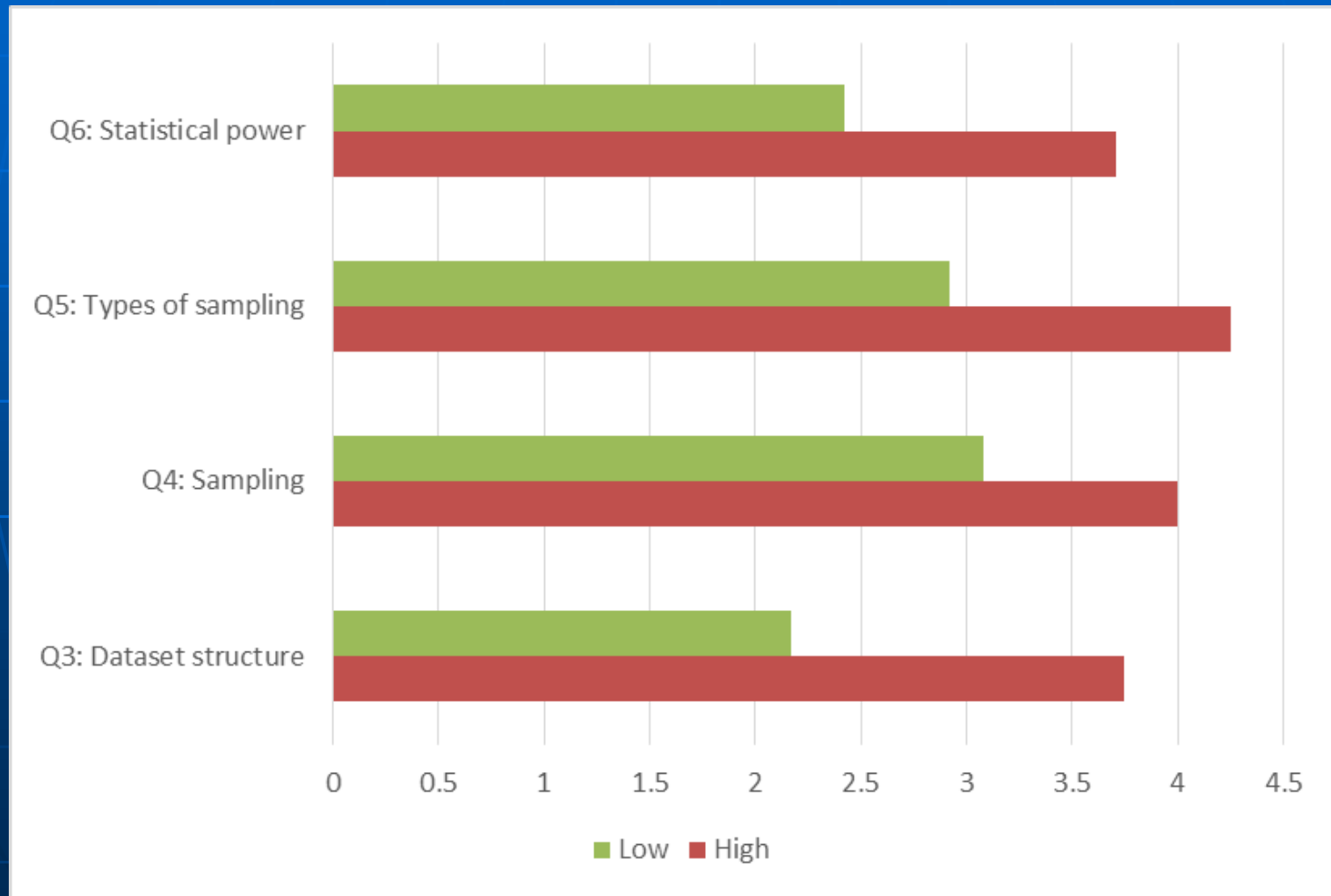
Mean Item Score (Median split of participants)



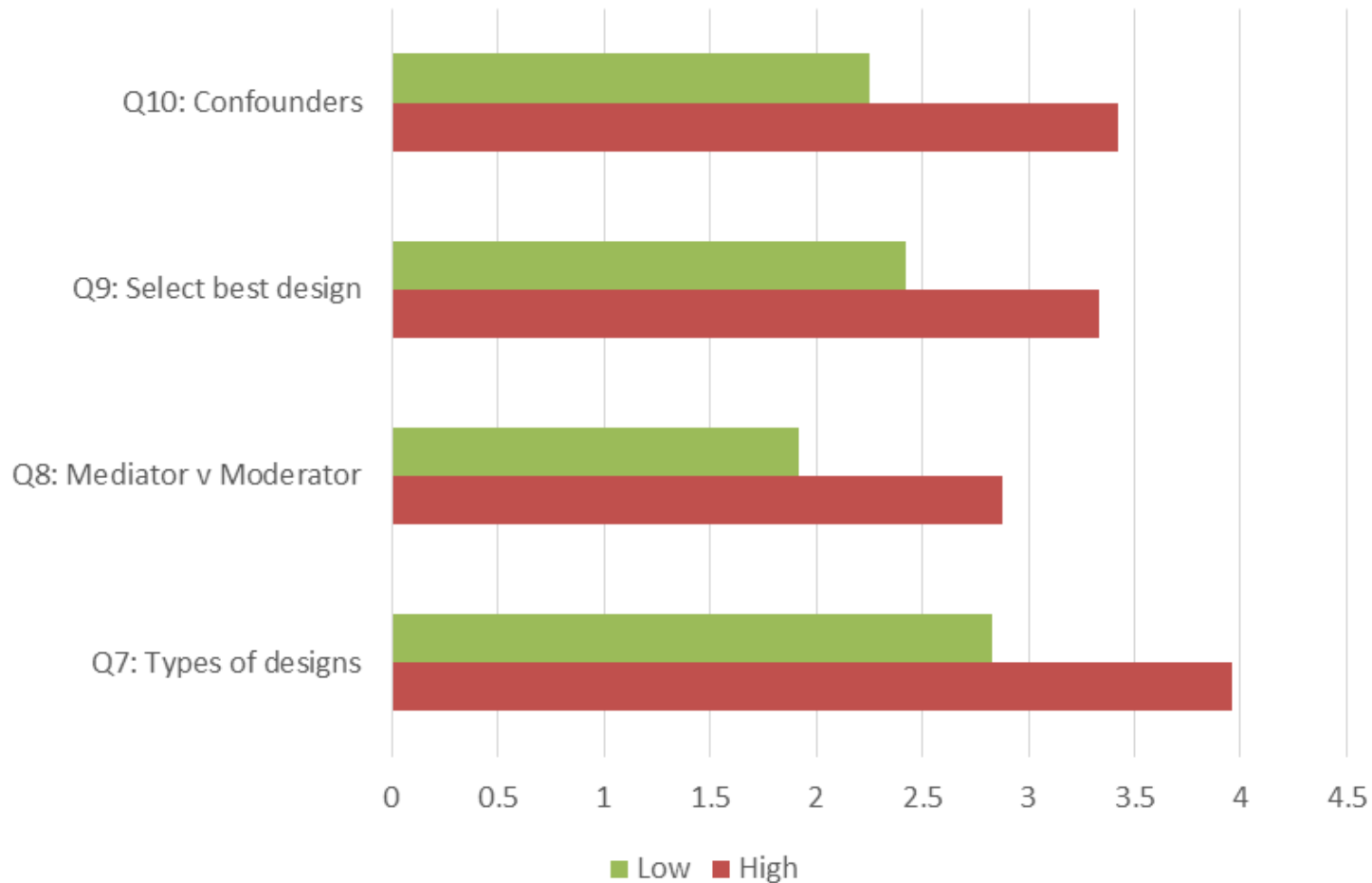
Session 1 & 2 Items (Median split of participants)



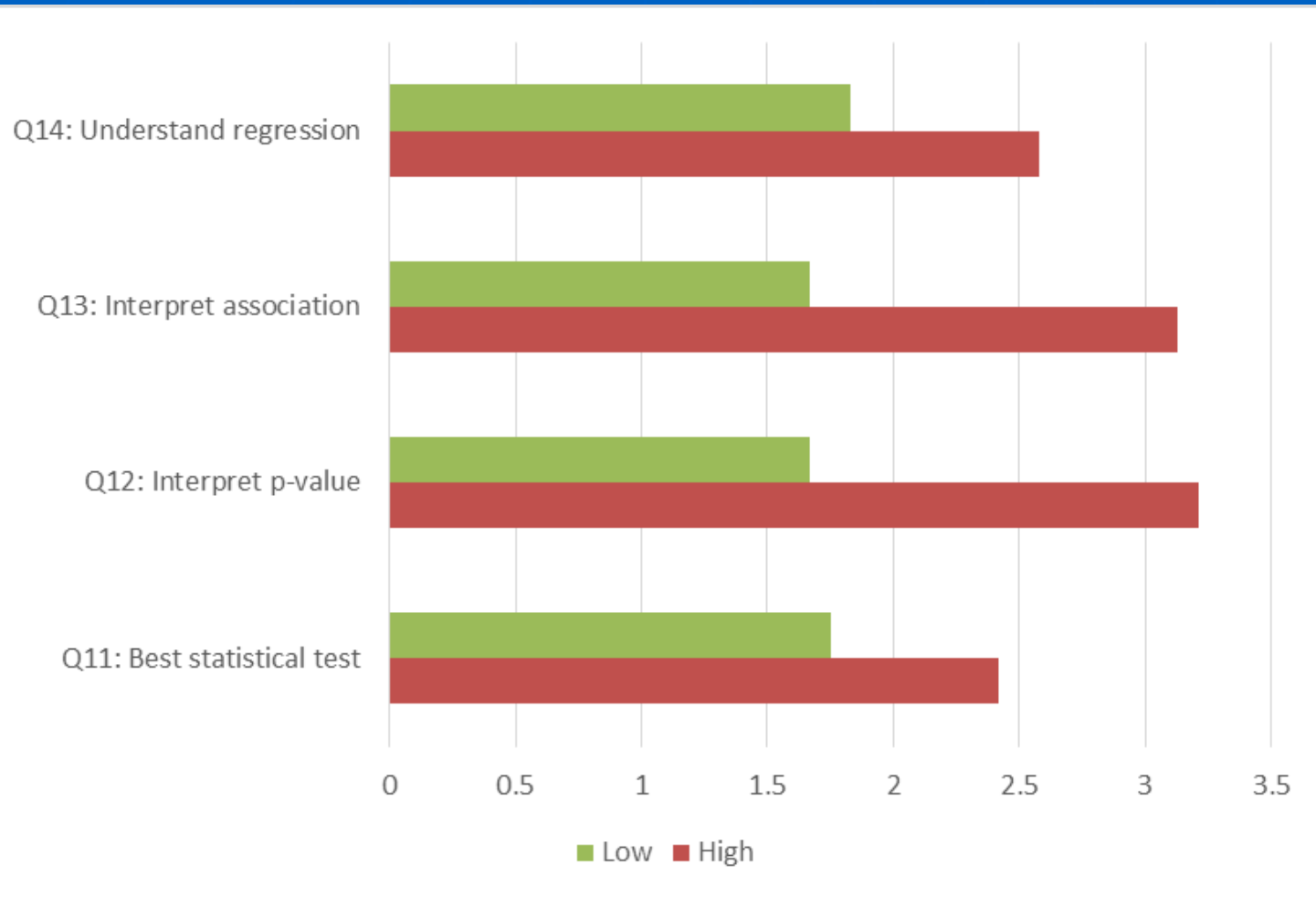
Session 3 Items (Median split of participants)



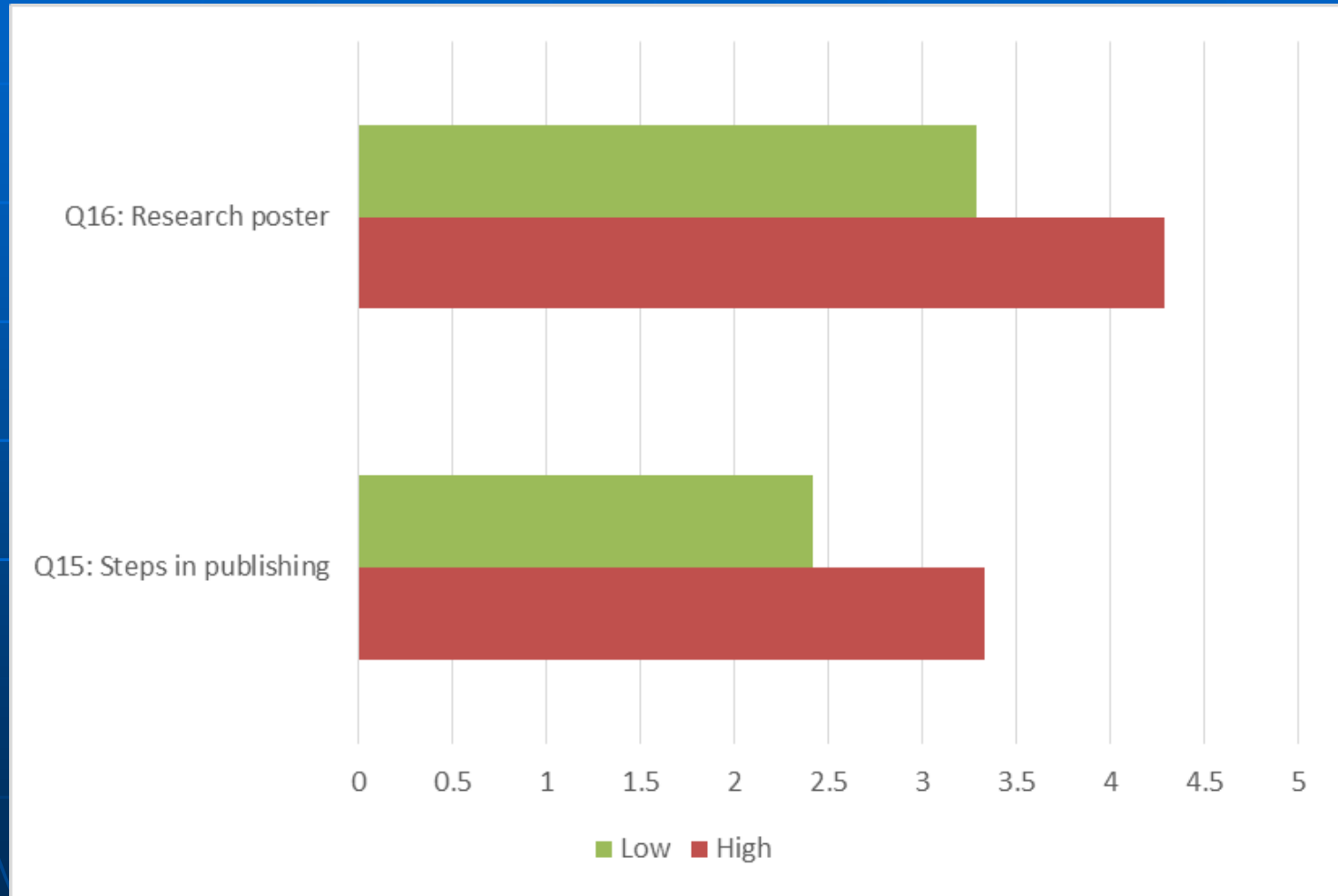
Session 4 Items (Median split of participants)



Session 3 Items (Median split of participants)



Sessions 7 & 8 Items (Median split of participants)



Questions

1. Does a scheduled check-in process for chronic asthmatics reduce absenteeism and improve learning in a classroom?
2. Would an intervention by the school nurse reduce absenteeism for the homeless student population?
3. How can the school nurse reduce absenteeism in pre-K – 1st grade to less than 5%?
4. How would health education via communication by the school nurse to the family affect the student's attendance?
5. Does parent education on the definition and affects of absenteeism on learning during Pre-K registration reduce percentage of students with chronic attendance issues?
6. Does chronic absenteeism in G7 - G9 consistently result in a decrease in standardized test scores in G10?
7. Does nursing care coordination between outside provider, school, and home, by a designated school nurse position reduce absenteeism in kids with a complex medical condition who have identified as being chronically absent?
8. Does weekly communication from a school nurse during the first month of school, of G2 students who are absent 18 days or more than the year before, reduce school attendance below 10%?