

## PhD application questions for ExpBoD

For each question, please limit the word count to what is specified below. Include only essential information, and no need stretch your answer to hit the word limit if you do not have more to say. For each question, there is no “right” answer, so please be as direct and honest as you can. All four answers should be written in one single file and uploaded as one document.

1. Please describe your previous experiences working with quantitative data. Please include the following details (maximum word limit including parts a-f: 600):
  - a. Research question
  - b. Data type (survey, registry, etc), size (number of observations, variables)
  - c. Statistical analyses conducted, and why
  - d. Software/language used
  - e. Your specific role in working with the dataset(s)
  - f. Provide references to your work if any – upload a code file, link to GitHub, publication reference, etc.
  
2. Assuming you have access to nationwide datasets on a wide range of topics, including health, income, education, healthcare use, etc, how would you **define** and **measure** the following three types of disease burden: **economic**, **social**, **psychological** (maximum word limit 500)? *We understand this is a broad topic and you may or may not have background in this. Without doing too much online research, based on what you know about population health and disease burden, how would you go about defining and measuring them? We also do not have the right answers, so please be as creative as you can.*
  
3. Why are you interested in ExpBoD? What specific aspects of this project are you most attracted to? (maximum word limit 300)
  
4. After reading the project description, what do you see as the most challenging aspects of the project? They can be related to any aspects of the project, such as the scope, methods, timeline, and data. (maximum word limit 300)