IEEE Brain Initiative Challenges 2017
Brain Data Bank Signal – Visualization & Analytics

Frequently Asked Questions

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Q1. When does the BDB Challenge start?

A1. You can start the minute you register although the official date of the BDB Challenge is 31 October, 2017, near the IEEE SENSORS 2017 location.

Q2. When does the BDB Challenge end?

A2. The BDB Challenge is a one-day event on 31 October, 2017, and ends when the presentation is due at 4 pm.

Q3. Can I use brain datasets other than those listed on the website?

A3. Yes, you can and please state it clearly in your final presentation. Please note that all datasets must be anonymized and have been previously published. No on-site data collection is allowed.

Q4. What question should a participant address in the BDB Challenge?

A4. You can define the question you want to address based on the dataset that you have chosen for the BDB Challenge. Please describe your own objectives and scope in your final presentation.

Q5. When do I have to complete my registration form (final Title, Ideas, Objectives, Team Members, etc.)

A5. Registration is due 15 October, 2017, for orderly processing by the BDB Organizing Team. It is recommended that you register and complete the registration form as early as possible to get a head start. Please save your registration URL for updates until 15 October.

Q6. Can I attend the Challenge via Internet only?

A6. One team member must be on-site at the IEEE SENSORS 2017 to enter the Challenge. Other team members are allowed to be working remotely with the on-site team member(s) via the Internet.
Q7: Can individual Lab plug in EEG results be used in this Challenge?

A7. Yes, any EEG datasets collected from university/industry laboratory can be used, but privacy information has to be removed. Unpublished datasets are subject to screening and rejection.

Q8. What is the presentation required for judging?

A8. The final presentation will be in terms of PowerPoint files or any demonstrations. A simple template for PowerPoint presentation:

1. Description of your project (datasets used, objective, scope, etc)
2. Highlight of project results and accomplishments
3. Shortfalls and challenges encountered
4. Conclusion about brain data visualization and analytics.

Each team has about 10 minutes of presentation time and 5 minutes of Q&A, depending on how many teams entered the BDB Challenge as the total presentation time is 90 minutes for all the teams.

Q9. How is the presentation judged?

A9. Based on categories listed below, a score of 1 (poor) ~ 5 (excellent) will be tallied (max. 30 points) as a tool to assist the Judging Panel in determining the final winner.

1. Selection criteria of the brain signal datasets
2. Clarity and relevance of analysis
3. Methodology
4. Interpretation of brain signal data
5. Significance of findings and recommendations
6. Delivery of findings and recommendations.

Q10. Can Visualization of the brain dataset be qualified as a project?

A10. Yes, efforts for visualization and display of any brain dataset will be welcomed. In fact, one of the goals of the BDB Challenge is to identify attributes, metadata, graphics tools that can organize and recognize brain data more effectively.

Q11. Can we have description of the UCSF dataset?

A11. Yes, the 1st reference listed on the website describes the dataset in detail. The entire dataset and the article (~ 100 GB) is posted on IEEE Dataport™.

Q12. Schedule of entry, should we start on 31 October, 2017?

A12. No. You should start your project as soon as possible. This event is not limited by the starting time. It is judged based on your results. You will be competing with those who have spent a good effort prior to the Challenge date. In fact, we would like you to get prepared as early as possible so that innovative results can be demonstrated.
Q13. Will presentation at the BDB Challenge jeopardize my publication privilege in the future?

A13. The BDB Challenge offers you the opportunity to improve and further your work with input from the judging panel. Since your results will be presented in PowerPoint slides in bullet format, it is unlikely to jeopardize your publication privilege of a full paper in the future; however, please check with the policy of the individual publication.

Note that your presentation material will become public after the BDB Challenge. Your detailed work, algorithms, proofs, demonstrations, intellectual properties engaged in your project should stay yours to be protected by yourself. You should make sure that any detailed intellectual properties are not described in your presentation.