BIO300/CMPSC300

State-of-the-Art Tools Presentations

Spring 2016

You and your group members will give a 5-7 minute presentation, including 3-4 slides on "PsyGeNET: a knowledge platform on psychiatric disorders and their genes." using the questions below as a guide. Your presentation must address each of the questions and may also contain other interesting and relevant information. DO NOT demo the software/tool/database, however relevant screenshots should be included in the presentation.

Gutiérrez-Sacristán, Alba, et al. "PsyGeNET: a knowledge platform on psychiatric disorders and their genes." *Bioinformatics* (2015): btv301.

1. What is the real-word biological question or problem this tool was designed to address? Provide a brief background.
2. Give a brief overview of the Bioinformatics tool including
   1. Potential users
   2. Input file format
   3. User interface
   4. Computational components
   5. Output/data generated
   6. Ease of use and interpretation
3. Has this tool been used in any recent primary research publications? If so, explain briefly. If not, provide specific examples of questions that may be answered/problems that may be solved using this new tool.