**PS4035 – 2023/24**

**Biological Basis of Behaviour**

**Report on Specific Nervous System Disorder**

# Assignment Instructions

The purpose of this assignment is for students to learn about a specific nervous systems disorder, enhance their analytical and synthesis skills in creating the report, develop their collaboration skills through organisation of research using ChatGPT, and to further develop their critical thinking around the ethical use of AI in academia.

Students will be allocated to groups during week 2 and use ChatGPT to generate a rough draft report on a nervous system disorder. You will work together as a group to discuss ideas, resources, what you wish to input to ChatGPT to generate the AI report. This can then be used to inform the direction/structure of the report, but the content **should be entirely** the students’ own work. The students will insert the report generated from ChatGPT in the appendices section and include a critical reflection on how using ChatGPT informed the individual report. Please specify in critical reflection if/how any content was used.

Discussions will also be held in the lectures around how we can ethically use AI and group discussions will be encouraged on how best to avoid plagiarism. In addition, during week 4 one of our technical support officers will come to the lecture to have a chat about what it looks like to ethically use AI and to troubleshoot issues on plagiarism. We will also have a writing review lecture during week 6, where again we will cover the topic of plagiarism and encourage more conversation around this. This is a time where students are encouraged to raise issues or concerns about using AI and to discuss in the wider group ways how best to avoid plagiarizing their report. Students can ask questions or create discussions on the Brightspace forum or alternatively sign-up to my office hours.

This assignment contributes to 100% of your overall grade and **will be differentiated** between PS4035 and PS6111 students as follows:

*PS4035*: Report on a specific nervous system disorder as outlined below.

*PS6111*: Report on a specific nervous disorder as outlined below plus provide a comparison of different psychological approaches explaining the specific nervous system disorder.

You will be **assigned a nervous systems disorder** to research from Tuesday 19th September (Week 2). Approximately 8/10 students are tasked with investigating each disorder. Group forums are created on Brightspace for each of these disorders and this can be used to form the basis of your ‘research group’.

Students must submit their **assignment research report** through Brightspace by **Monday, 20th November, 4pm deadline (Week 10).**

**Specifications**: 2500 words (+/- 10%); Double-spaced; APA formatted throughout; Times New Roman font-size 12; Citations used must be relevant to Biological Psychology/Psychophysiology and come from academic sources.

**Breakdown of Report:**

* + Short definition of the disorder, its prevalence in the general population and, where relevant, predominant demographic (e.g., only encountered in men, mostly observed after the age of 60, etc.)
  + Signs: observed behaviours and characteristics of the disorder (e.g., repetitive verbalisations)
  + Symptoms: complaints reported by individuals presenting disorder (e.g., cognitive complaints, low mood, sleep problems)
  + Affected biological systems: at macro level (e.g., cortical/subcortical lesions) and/or at micro- level: (e.g., affected neurons, glia, synapses)
  + Differences with other similar disorders
  + Unusual treatment and prognosis of the disorder
  + Discuss different approaches to the disorder (e.g., cognitive vs social learning or biomedical vs social psychological).
  + Add the Chat GPT generated report to the Appendix section. Reference in the body of the report which component (if any) of the AI generated text informed parts of your report (and specify what parts). We will discuss how to do this in class, particularly in our week 6 class (writing session).

**Feedback on Assignment**

Formative feedback on initial ideas for the nervous system disorder report will be offered to students during Week 3. You will receive summative feedback (using the rubric) on the report, following the central release of module grades from UL.

**Repeating the module assessment**

If you fail a module, please contact the module leader **immediately** to find out when the outstanding work needs to be completed. The repeat for the assessment will be in the same format as the original assessment, but a different assigned disorder.

**Guide to posting on the Research Group Forums:**

* + It is important to practice good standards when talking with your classmates online. Communicating online is very different from communicating face to face, as tone of voice can be lost easily. Something you may mean in a light-hearted way may not come across in written communication, so please be mindful when you are responding to other students using the forums.
  + What should you post on the forum?
  + Use this as an opportunity to collaborate with your peers. Post important information that you have found on the topic (i.e., ChatGPT) or useful sources .

**Student Name: Overall Letter Grade: Overall % Grade:**

**Comments**:.

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| --- | --- | --- | --- | --- | --- |
| **SPECIFIC NERVOUS SYSTEM REPORT (100**%) | | | | | |
| **CRITERION 1 (10 marks): Definition, prevalence, predominant demographic** | | | | | |
| Definition and specific occurrences are outstandingly described | Definition and specific occurrences are very well described | Definition and specific occurrences are clearly described | Definition and specific occurrences could have been described clearer | Definition and specific occurrences are minimally described | Definition and specific occurrences are not described |
| **CRITERION 2 (15 marks): Signs and symptoms** | | | | | |
| Signs and symptoms are outstandingly described | Signs and symptoms are excellently described | Signs and symptoms are well described | Signs and symptoms are described | Signs and symptoms are minimally described | Signs and symptoms are poorly described |
| **CRITERION 3 (15 marks): Affected biological systems at macro level and/or at micro level** | | | | | |
| Affected biological systems are outstandingly described | Affected biological systems are excellently described | Affected biological systems are well described | Affected biological systems are described | Affected biological systems are minimally described | Affected biological systems are poorly described |
| **CRITERION 4 (15 marks): Differences with other similar disorders** | | | | | |
| Similarities and differences to other disorders are named and outstandingly discussed | Similarities and differences to other disorders are named and excellently discussed | Similarities and differences to other disorders are named and well discussed | Similarities and differences to other disorders are named, but could have been discussed in more depth | Similarities and differences to other disorders are named but only minimally discussed | Similarities and differences to other disorders are poorly named and/or discussed |
| **CRITERION 5 (15 marks): Usual treatment and prognosis of the disorder** | | | | | |
| Treatment and prognosis of the disorder are outstandingly described | Treatment and prognosis of the disorder are excellently described | Treatment and prognosis of the disorder are well described | Treatment and prognosis of the disorder are described | Treatment and prognosis of the disorder are minimally described | Treatment and prognosis of the disorder are poorly described |
| **CRITERION 6 (15 marks): Overall understanding of the disorder** | | | | | |
| An overarching understanding of the disorder is outstandingly demonstrated | An overarching understanding of the disorder is excellently demonstrated | An overarching understanding of the disorder is well demonstrated | An overarching understanding of the disorder is somewhat demonstrated | An overarching understanding of the disorder is minimally demonstrated | An overarching understanding of the disorder is not demonstrated |
| **CRITERION 7 (5 marks): Structure, APA formatting, grammar, spelling** | | | | | |
| Structure, APA formatting, grammar, spelling outstanding | Structure, APA formatting, grammar, spelling excellent | Structure, APA formatting, grammar, spelling very good | Structure, APA formatting, grammar, spelling good | Structure, APA formatting, grammar, spelling weak | Structure, APA formatting, grammar, spelling poor |
| Critical Reflection on use of ChatGPT: 10 marks | | | | | |
| Display of critical reflection on the use of AI and ethical considerations are outstandingly demonstrated | Display of critical reflection on the use of AI and ethical considerations are excellently demonstrated | Display of critical reflection on the use of AI and ethical considerations are well demonstrated | display of critical reflection on the use of AI and ethical considerations is somewhat demonstrated | Display of critical reflection on the use of AI and ethical considerations is minimally demonstrated | Display of critical reflection on the use of AI and ethical consideration missing or not evident |

**Student Name: Overall Letter Grade: Overall % Grade:**

**Comments**:.

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| **SPECIFIC NERVOUS SYSTEM REPORT (100**%) | | | | | |
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| **CRITERION 5 (10 marks): Usual treatment and prognosis of the disorder** | | | | | |
| Treatment and prognosis of the disorder are outstandingly described | Treatment and prognosis of the disorder are excellently described | Treatment and prognosis of the disorder are well described | Treatment and prognosis of the disorder are described | Treatment and prognosis of the disorder are minimally described | Treatment and prognosis of the disorder are poorly described |
| **CRITERION 6 (10 marks): Overall understanding of the disorder** | | | | | |
| An overarching understanding of the disorder is outstandingly demonstrated | An overarching understanding of the disorder is excellently demonstrated | An overarching understanding of the disorder is well demonstrated | An overarching understanding of the disorder is somewhat demonstrated | An overarching understanding of the disorder is minimally demonstrated | An overarching understanding of the disorder is not demonstrated |
| **CRITERION 7 (15 marks): Discussing the different approaches to the disorder** | | | | | |
| Different types of psychological approaches to the disorder are named and outstandingly discussed | Different types of psychological approaches to the disorder are named and excellently discussed | Different types of psychological approaches to the disorder are named and well discussed | Different types of psychological approaches to the disorder are named, but could have been discussed in more depth | Different types of psychological approaches to the disorder are named but only minimally discussed | Different types of psychological approaches to the disorder are poorly named and/or discussed |
| **CRITERION 8 (5 marks): Structure, APA formatting, grammar, spelling** | | | | | |
| Structure, APA formatting, grammar, spelling outstanding | Structure, APA formatting, grammar, spelling excellent | Structure, APA formatting, grammar, spelling very good | Structure, APA formatting, grammar, spelling good | Structure, APA formatting, grammar, spelling weak | Structure, APA formatting, grammar, spelling poor |
| **CRITERION 9 (5 marks**) Critical Reflection on use of ChatGPT: | | | | | |
| Display of critical reflection on the use of AI and ethical considerations are outstandingly demonstrated | Display of critical reflection on the use of AI and ethical considerations are excellently demonstrated | Display of critical reflection on the use of AI and ethical considerations are well demonstrated | display of critical reflection on the use of AI and ethical considerations is somewhat demonstrated | Display of critical reflection on the use of AI and ethical considerations is minimally demonstrated | Display of critical reflection on the use of AI and ethical consideration missing or not evident |