Marine Bioinformatics

Homework 0

Due by Canvas upload 11:55 PM Jan 30

Edit this doc and submit the edited version

60 points

1. **(10 points)** Why are you interested in taking this class?

I am interested in taking the class because I heard that Dr.Heller is a good professor. He seems full of energy and excited about the work he does. I want to learn bioinformatics because I am obsessed with psychology, health, biology, history, and seeing if I can help others through my work.

1. **(10 points)** Do you have any concerns or anxieties about this class? If so, what are they?

I don’t have any concerns or anxieties about this class. I feel that I can come to office hours and get my questions answered.

1. **(10 points)** Are you concerned about the future of the world’s ocean? If you are, please briefly explain.

I am concerned about the future of the world’s ocean. Ocean acidification, garbage, and pollution are issues that need to be addressed. I’m not overly worried about it because I believe humans are generally good at fixing one problem while at the brink of destruction and replacing it with a slightly better problem. Some species will die off in the meanwhile due to greed and disregard while the battle occurs to protect oceans occurs while balancing the need for human advancement.

1. **(10 points)** How familiar are you with the following concepts? For each, answer “not at all”, “a little”, or “a lot”. There are no bad answers; we just want to know about you.
   1. Gene expression: a little
   2. Evolution: a lot
   3. 5’ and 3’: a little
   4. Sequence alignment: a lot
2. **(10 points)** If you’re on a Mac, open a Terminal window. On a Windows machine, open a Command Tool. On any other OS, open that OS’s terminal emulator window. Type

java –version

and then type the RETURN or ENTER key. What output did you get? Paste the output text (not a screenshot) into your homework doc.

openjdk 14 2020-03-17

OpenJDK Runtime Environment (build 14+36-1461)

OpenJDK 64-Bit Server VM (build 14+36-1461, mixed mode, sharing)

1. **(10 points)** Double-click on the icon of ManualPWA.jar, which you extracted along with this doc. If a window appears, take a screenshot of the window, and paste it as your answer to this question. If no window appears but some kind of error message is displayed, right-click on the icon and select “Open”. If you still get an error message, what is the error message? (Don’t paste a screenshot of the message! Copy-and-paste the text.) If nothing at all happens when you double-click the icon, answer “Nothing happened”. If you got an error message, or if nothing happened, there’s something weird about your Java installation. You won't be able to succeed in this course without a working Java, so contact Dr. Heller or Anson right away.

Graphical user interface, text, application

Description automatically generated

The jar file is an app that you’ll use in about a week. Unless you’ve taken CS 123A, it won't make much sense for now.