Macrosystems EDDIE:
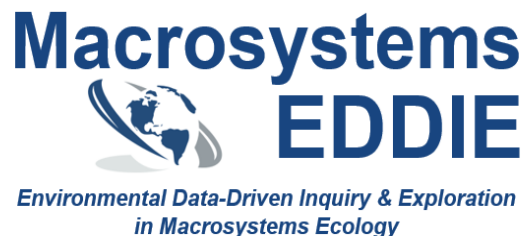# Getting Started + Troubleshooting Tips

Moore, T. N., Carey, C.C., Thomas, R. Q. 23 January 2021.

Macrosystems EDDIE: Introduction to Ecological Forecasting.

Macrosystems EDDIE Module 5, Version 1.

http://module5.macrosystemseddie.org

Module development supported by NSF DEB-1926050; NSF DBI-1933016

Macrosystems EDDIE

Environmental Data-Driven Inquiry & Exploration in Macrosystems Ecology

NSF | ne☉n Operated by Battelle

SERC the Science Education Resource Center at Carleton College

R Shiny Applications

- Statistical environment

- Interactive web app built using R.
  - Allows users to interact with data
  - Conduct their own analysis

Check-in:
- Can you access the Shiny app or this module?
  - Copy and paste this link into your browser:
    https://macrosystemseddie.shinyapps.io/module5/
  - If this is not working contact us at MacrosystemsEDDIE@gmail.com and we will help you resolve this issue.

Landing Page of the Shiny App

Navigating the Shiny App

Select a tab by clicking on it

Answer questions
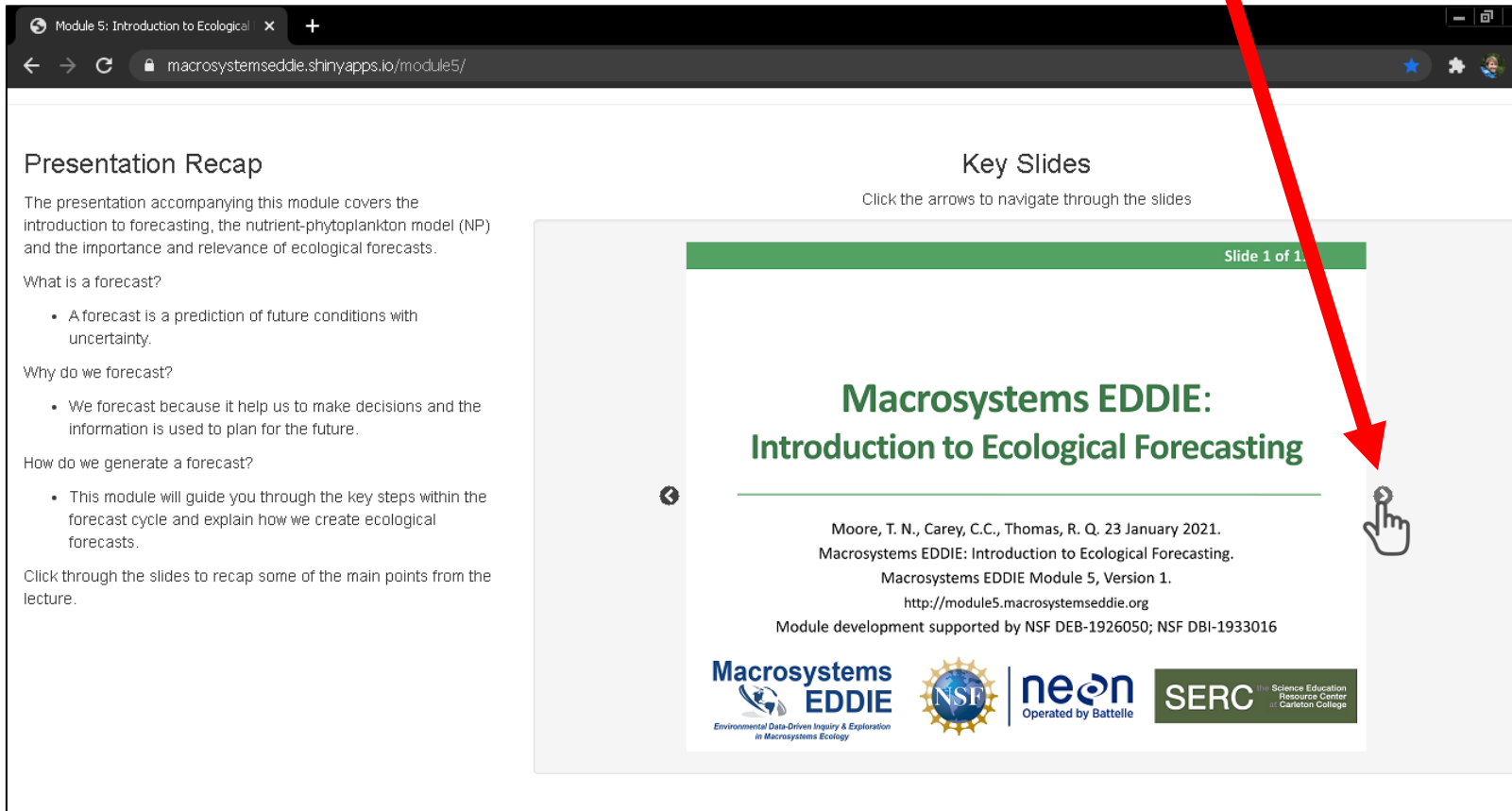
Type your answers into the text boxes

Navigate slides

Advance slides by clicking on the arrows

Interact with app

Select data table rows and click buttons

Interact with plots
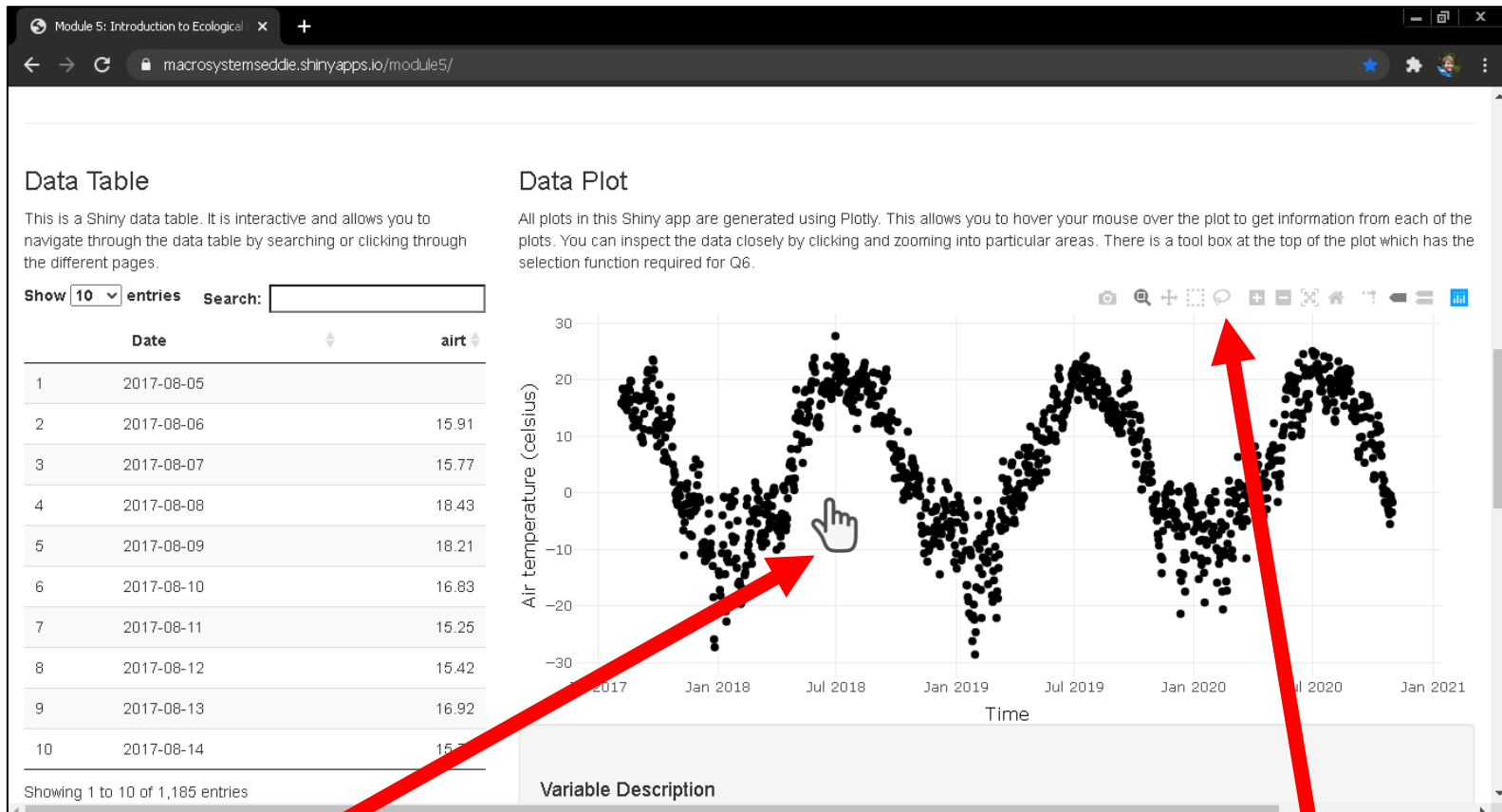
Hover cursor over points or click and drag to zoom in

Hover cursor over plot to bring up options

Saving plots
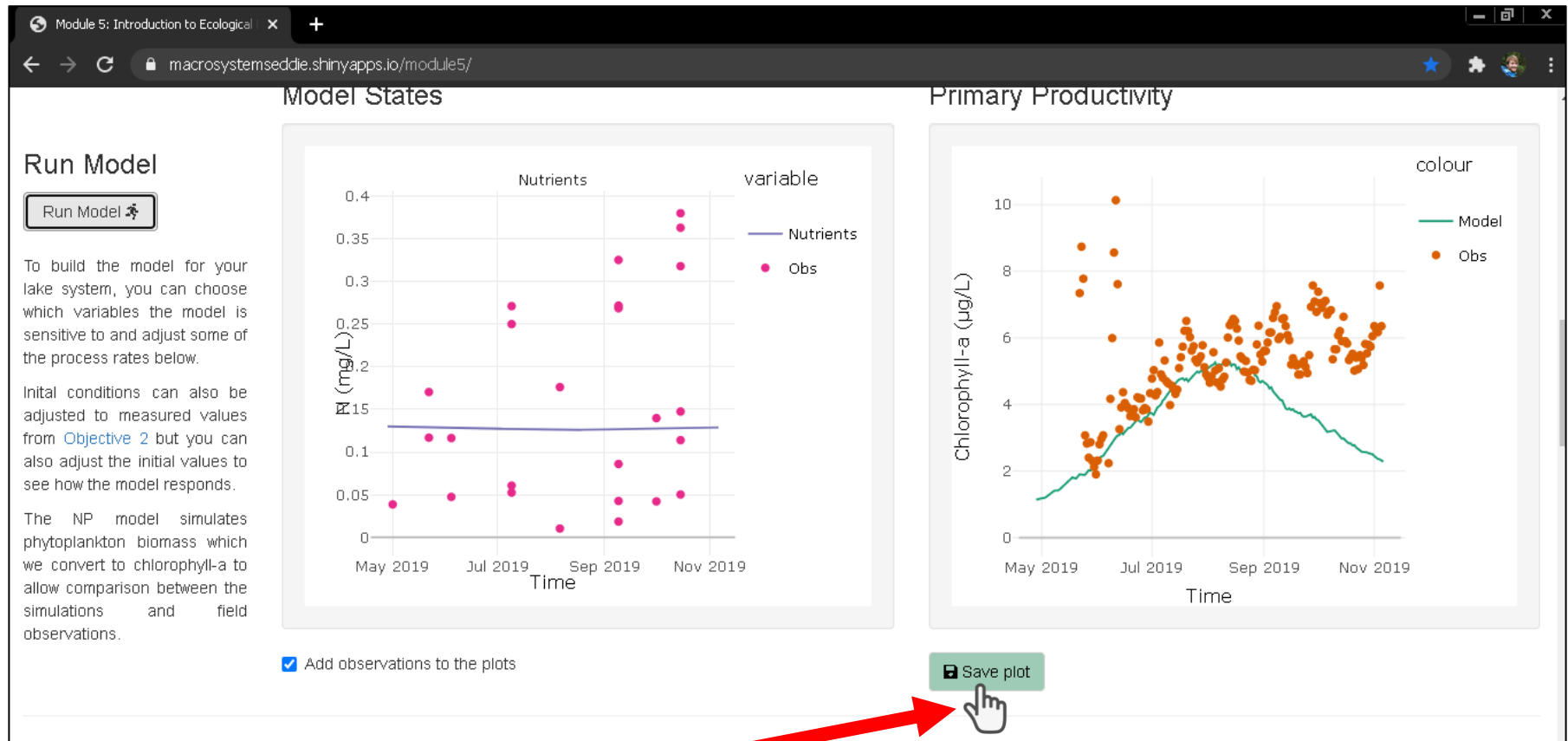
Save plots for downloading with your final report

Saving & Resuming Progress

1. Navigate to the "Introduction" tab

2. Scroll down to "Save your progress" section

3. Click on the "Download user input" button. A '.eddie' file will download. Your computer might prompt you to open this in R. This will not work, it only works for uploading to the Shiny app

4. Store this file somewhere safe on your computer

5. When continuing, you will upload this file and it will populate your answers and saved parameters

Save your progress

If you run out of time to finish all the activities you can save your progress and return to it at a later date. Click the 'Download' button below and a file 'module5_answers_ID_number.rds' will download. Store this file in a safe place locally on your computer.

⬇ Download user input

Resume your progress

To reload the app input you can upload the downloaded '.rds' file below and it will populate your answers into the Shiny app.

Upload data

Browse...   No file selected

Downloading the Report

1. Navigate to the "Introduction" tab

2. Scroll down to "Save your progress" section

3. Click on the "Generate Report (.docx)" button.

4. Then the "Download Report" button will appear. Click this to download the report with answer and plots embedded within a Word document.

Generate Report

This will take the answers you have input into this app and generate a Microsoft Word document (.docx) document with your answers which you can download and make further edits before submitting. Return here when you have completed the module.

[Generate Report (.docx)]

[Download Report]

Questions still to be completed:

Activity A: Objective 5 - Q. 15 Save plot of model run
Activity B: Objective 9 - Q. 21
Activity B: Objective 10 - Q. 22
Activity B: Objective 11 - Q. 23 Save plot of new ecological forecast