

# Introduction to R 2025

Faculty: Frances Wong

June 23-24, 2025



# Contents

<b>I</b>	<b>Introduction</b>	<b>5</b>
<b>1</b>	<b>Workshop Info</b>	<b>7</b>
1.1	Schedule . . . . .	7
1.2	Pre-work . . . . .	8
<b>2</b>	<b>Meet Your Faculty</b>	<b>9</b>
<b>II</b>	<b>Modules</b>	<b>11</b>
<b>3</b>	<b>Day 1</b>	<b>13</b>
3.1	Lecture . . . . .	13
3.2	Lab Downloads . . . . .	13
<b>4</b>	<b>Day 2</b>	<b>15</b>
4.1	Lab Downloads . . . . .	15



## **Part I**

# **Introduction**



# Chapter 1

## Workshop Info

Welcome to the Introduction to R 2025 Canadian Bioinformatics Workshop webpage!

### 1.1 Schedule

Time (EDT)	Day 1	Time (EDT)	Day 2
8:30	Arrivals & Check-in	8:30	Arrivals
9:00	Welcome (Nia Hughes)	9:00	Review & Module 3: Loops and functions (Frances Wong)
9:30	Module 1: Getting to Know R (Frances Wong)	10:00	Break (15min)
10:30	Break (15min)	10:15	Module 3: Loops and functions (cont'd)
10:45	Module 1: Getting to Know R (cont'd)	11:00	Break (15min)
11:15	Break (15min)	11:15	Module 3: Loops and functions (cont'd)
11:30	Module 1: Getting to Know R (cont'd)	12:00	Class Photo + Break (1h)
12:00	Break (1h)	13:00	Module 4: Linear regression (Frances Wong)
13:00	Module 2: Exploring your data in R (Frances Wong)	14:00	Break (15min)
14:00	Break (15min)	14:15	Module 4: Linear regression (cont'd)

Time (EDT)	Day 1	Time (EDT)	Day 2
14:15	Module 2: Exploring your data in R (cont'd)	15:15	Break (15min)
15:15	Break (15min)	15:30	Short Project
15:30	Review and Short project	17:00	Survey & Closing Remarks
17:30	Finished	17:30	Finished

## 1.2 Pre-work

You can find your pre-work [here](#).



## Chapter 2

# Meet Your Faculty

Coming soon!



# Part II

## Modules



# Chapter 3

## Day 1

### 3.1 Lecture

### 3.2 Lab Downloads

Day 1 Rmd  
abalone.csv  
water\_potability.csv



# Chapter 4

## Day 2

### 4.1 Lab Downloads

Day 2 Rmd  
diamonds.csv  
healthcare-dataset-stroke-data.csv