PROG101: Intro to R and RStudio
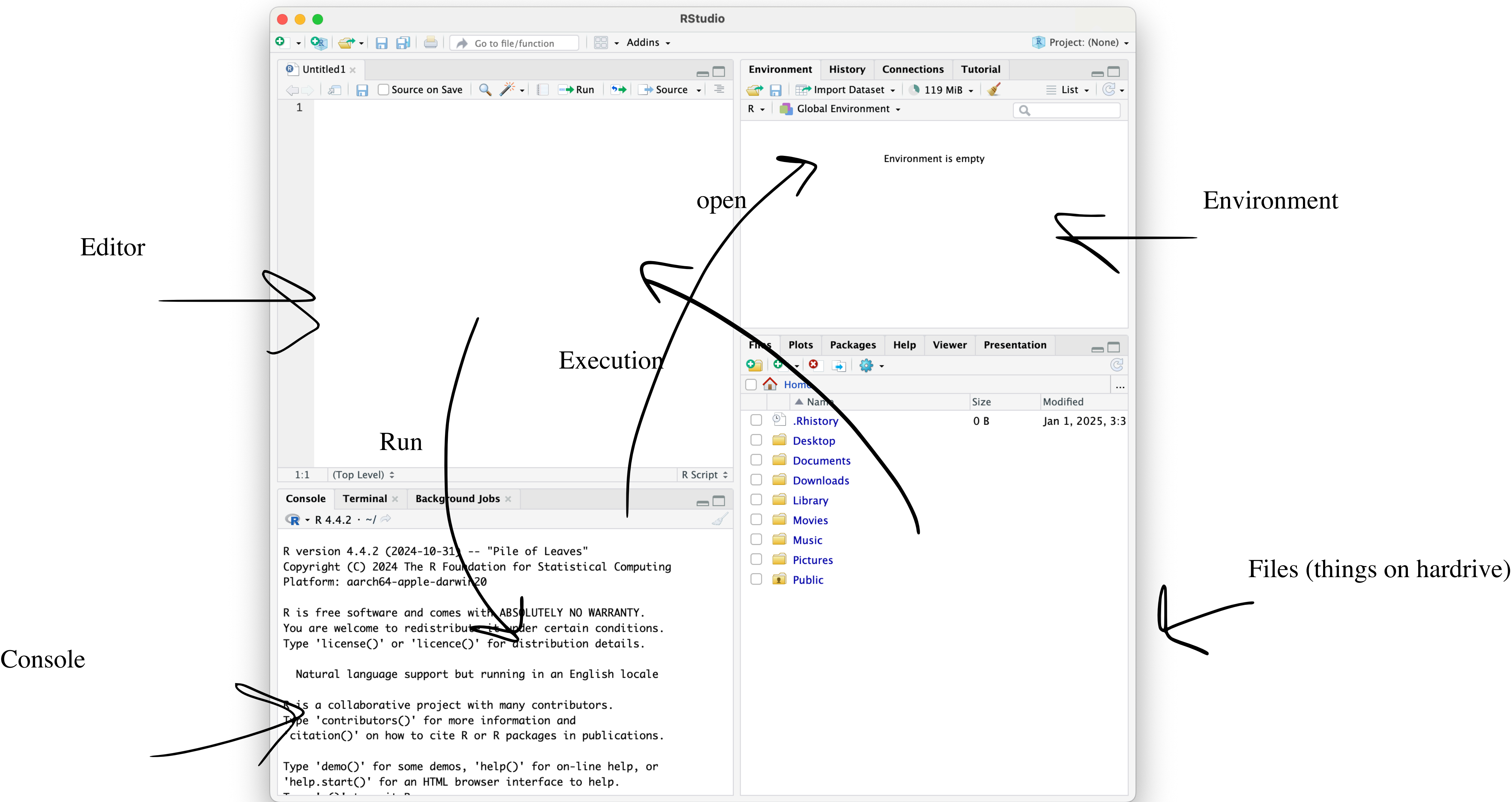
Introduction to R and RStudio

Key concepts

R is a programming language
R studio is an interactive development environment
writing code does not equal running code

A tour of RStudio

Editor

open

Environment

Execution

Run

Files (things on hardrive)

Console

IDE features

Help write code ex. autocomplete
interactivity
project management ex. file management

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Expressions and variables

Key concepts

Expressions are "sentences"
Variables serve as "nouns"
(next video) functions as "verbs"

Expression examples

New vocabulary and lingering questions

New vocabulary

Variables

Lingering questions

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Using functions

Key concepts

Function examples

New vocabulary and lingering questions

New vocabulary

Lingering questions

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Basics of vectors

Key concepts

Vector examples

Vector indexing

Vector output size

New vocabulary and lingering questions

New vocabulary

Lingering questions

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Multiple vectors

Key concepts

Multiple vector examples

Element-wise operations

Multi-vector indexing

New vocabulary and lingering questions

New vocabulary

Lingering questions