



# DATA SCIENCE

A BRIEF INTRODUCTION TO

WITH R

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# A GENTLE INTRODUCTION TO



# WHAT IS R?

- Free
- Open source
- Programming language
- Designed for statistical computing and graphics
- Conceived in 1992 at the University of Auckland (NZ), initial release in 1995, first stable version in 2000

# WHAT IS PROGRAMMING?

Programming is giving a computer a set of instructions to make it perform a certain task.

Coding = writing a cooking recipe

Program = recipe

Computer = cook

Different programming languages for different tasks

# ADA LOVELACE



Augusta Ada King, Countess of Lovelace  
1815 – 1852

English mathematician and writer

First person ever to publish an algorithm  
designed to be carried out by a  
“computer” (1843)  
AKA  
first computer programmer



**QUESTIONS?**



LET'S DIVE RIGHT IN!

David Hockney  
“A Bigger Splash”  
1967