# EASY SOL

## **DISHA**

#### 2025-03-07

## Contents

```
1
 2
 0.1 Step 1: Install & Load Packages
library(data.table)
library(ggplot2)
library(reshape2)
##
## Attaching package: 'reshape2'
## The following objects are masked from 'package:data.table':
##
  dcast, melt
##
```

# 0.2 Step 2: Create & Merge Data Tables

```
## [1] "Merged Data:"
```

#### print(gg)

```
## Key: <student_id>
##
      student id
                   name
                           age math_score science_score
           <num> <char> <num>
##
                                     <num>
                                                   <num>
## 1:
              1
                   Alice
                            20
                                        NA
                                                      NA
## 2:
               2
                     Bob
                            21
                                        85
                                                      80
               3 Charlie
                                                      85
## 3:
                            19
                                        90
## 4:
               4
                 David
                            22
                                        NA
                                                      NA
                                                      75
## 5:
               5
                     Eva
                            20
                                        78
## 6:
               6
                                        88
                                                      89
                    <NA>
                            NA
```

# 0.3 Step 3: Handle Missing Values

```
gg[is.na(math_score), math_score := 0]
gg[is.na(science_score), science_score := 0]
```

# 0.4 Step 4: Reshape Data for Visualization

## 0.5 Step 5: Plot Student Scores

