

# **Diamonds**

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## Contents

<b>1 Data Exploration</b>	<b>1</b>
1.1 Dimension Summary . . . . .	1
1.2 Missing Values . . . . .	1

## 1 Data Exploration

### 1.1 Dimension Summary

### 1.2 Missing Values

c("LM\_complete", "LM\_forward\_complete", "LM\_backward\_complete", "LM\_stepwise\_complete", "LM\_CpAIC\_complete", "LM\_minus\_corr", "LM\_forward\_minus\_corr", "LM\_backward\_minus\_corr", "LM\_stepwise\_minus\_corr", "LM\_CpAIC\_minus\_corr"), c("LM\_complete", "LM\_forward\_complete", "LM\_backward\_complete", "LM\_stepwise\_complete", "LM\_CpAIC\_complete", "LM\_minus\_corr", "LM\_forward\_minus\_corr", "LM\_backward\_minus\_corr", "LM\_stepwise\_minus\_corr", "LM\_CpAIC\_minus\_corr"),

**Table 1:** Predictors used in each linear model

Model	Cut	Color	Clarity	Carat	Length	Width	Depth	Depth Ratio	Table
LM_complete	X	X	X	X	X	X	X	X	X
LM_forward_complete	X	X	X	X	X	X	X	X	X
LM_backward_complete	X	X	X	X	X		X	X	
LM_stepwise_complete	X	X	X	X	X		X	X	
LM_CpAIC_complete	X	X	X	X	X		X	X	
LM_minus_corr	X	X	X	X				X	X
LM_forward_minus_corr	X	X	X	X				X	X
LM_backward_minus_corr	X	X	X	X				X	
LM_stepwise_minus_corr	X	X	X	X				X	
LM_CpAIC_minus_corr	X	X	X	X				X	