

# Dealing with Missing or Incorrect Data Types

---

## Key Terms

Below is a list and short description of the important keywords learned in this lesson. Please read through and go back and review any concepts you do not fully understand. Great Work!

Keyword	Description
<b>Recoding into a New Variable</b>	Creating a new variable and adding in values based on another column.
<b>Recoding into the Same Variable</b>	Changing the values in one column into different values in the same column.
<b>Dummy Coding</b>	Taking a categorical variable with more than one level and creating additional columns for each level that is filled with zeros and ones.

## Key Python Commands and their Usage

Keyword	Description
<b>.apply()</b>	Applies a recode to a particular variable.
<b>.value_counts()</b>	Use this command to get a list of all possible values for a particular variable, which will aid in recoding.
<b>.replace()</b>	Recode into the same variable by replacing your variables with a dictionary of new key value pairs.
<b>pd.get_dummies()</b>	Creates dummy coding columns, which can be attached to your data frame.

# Python Packages Needed for Recoding

Keyword	Description
<b>pandas</b>	Contains the <code>pd.get_dummies()</code> and <code>.value_counts()</code> functions.

## Key R Commands and their Usage

Keyword	Description
<b>dummy.code</b>	Creates dummy coding columns in a matrix, which can be attached to your data frame.

## R Libraries Needed for Recoding

Keyword	Description
<b>psych</b>	Contains the <code>dummy.code</code> function.

[< Previous](#)[Next >](#)