Add value labels

Package: labelled

Function: `labelled::set_value_labels()`

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1. Add value labels for one or more variables

Review the data (d3)

```
# A tibble: 3 x 3
   Var1  Var2  Var3
  <dbl> <dbl> <dbl>
1    1    1    2
2    2    3    3
3    3    3    1
```

Add value labels

```
d3 <- d3 %>% labelled::set_value_labels(
  Var2= c("not interested"=1, "mildly interested"=2,"very interested"=3),
                                    Var3=c("none"=1, "reduced-price"=2, "free"=3))

labelled::val_labels(d3)
```

```
$Var1
NULL

$Var2
   not interested mildly interested   very interested
                1                 2                 3

$Var3
         none reduced-price          free
            1             2             3
```

2. Create label, then add label to vars

Review the data (d3)

```
# A tibble: 3 x 3
   Var1  Var2  Var3
  <dbl> <dbl> <dbl>
1    1    1    2
2    2    3    3
3    3    3    1
```

Add value labels

```
lab <- c("disagree"=1, "neutral"=2, "agree"=3)

d3 <- d3 %>% labelled::set_value_labels(Var2=lab, Var3=lab)

d3 %>% labelled::val_labels()
```

```
$Var1
NULL

$Var2
disagree  neutral    agree
       1        2        3

$Var3
disagree  neutral    agree
       1        2        3
```

Function: `labelled::add_value_labels()`

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1. Update or add one or more value labels without replacing/removing the other value labels

Review the data (d3)

```
# A tibble: 3 x 3
   Var1  Var2  Var3
  <dbl> <dbl> <dbl>
1     1     1     2
2     2     3     3
3     3     3     1
```

View current labels for Var3

```
$Var1
NULL

$Var2
NULL

$Var3
        none reduced-price          free
           1             2             3
```

Update the label for *1* in Var3

```
d3 <- d3 %>% labelled::add_value_labels(Var3=c(paid=1))

d3 %>% labelled::val_labels()
```

```
$Var1
NULL

$Var2
NULL
```

```
$Var3
     paid reduced-price          free
        1             2             3
```

Function: `labelled::labelled()`

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1. Add the same value labels to multiple variables

Review the data (d3)

```
# A tibble: 3 x 3
   Var1  Var2  Var3
  <dbl> <dbl> <dbl>
1     1     1     2
2     2     3     3
3     3     3     1
```

Add value labels

```r
d3 <- d3 %>%
  dplyr::mutate_at(vars(starts_with('Var')),
           ~labelled::labelled(., labels = c("disagree"=1, "neutral"=2, "agree"=3)))

d3 %>% labelled::val_labels()
```

```
$Var1
disagree  neutral    agree
       1        2        3

$Var2
disagree  neutral    agree
       1        2        3

$Var3
disagree  neutral    agree
       1        2        3
```