```
pivot_wider(college_long,
            id_cols = "Year",
            names_from = "College",
            values_from = "Adm_Rate")
```

| Year | College  | Adm_Rate |
|------|----------|----------|
| 2018 | Grinnell | 1        |
| 2019 | Grinnell | 3        |
| 2018 | Oberlin  | 2        |
| 2019 | Oberlin  | 4        |

| Year | Grinnell | Oberlin |
|------|----------|---------|
| 2018 | 1        | 2       |
| 2019 | 3        | 4       |

```
pivot_wider(college_long,
            id_cols = "Year",
            names_from = "College",
            values_from = "Adm_Rate")
```

names_from indicates a column, the
unique values of which will become the
new columns

```
Year    College  Adm_Rate
2018    Grinnell        1
2019    Grinnell        3
2018    Oberlin         2
2019    Oberlin         4
```
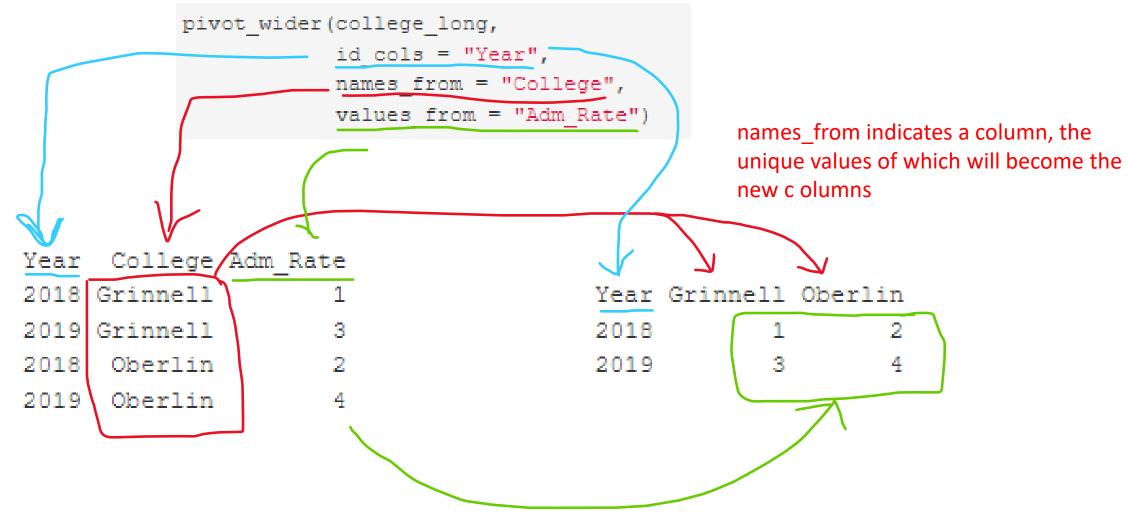
```
Year  Grinnell  Oberlin
2018         1        2
2019         3        4
```

```
pivot_wider(college_long,
            id_cols = "Year",
            names_from = "College",
            values_from = "Adm_Rate")
```

names_from indicates a column, the unique values of which will become the new columns

| Year | College | Adm_Rate |
|------|---------|----------|
| 2018 | Grinnell | 1 |
| 2019 | Grinnell | 3 |
| 2018 | Oberlin | 2 |
| 2019 | Oberlin | 4 |

| Year | Grinnell | Oberlin |
|------|----------|---------|
| 2018 | 1 | 2 |
| 2019 | 3 | 4 |

values_from tells us what to use to "fill in" the wide section

id_cols tells us which columns we wish to keep as "identifiers". The default is to use everything except "names_from".

```
pivot_wider(college_long,
            id_cols = "Year",
            names_from = "College",
            values_from = "Adm_Rate")
```

names_from indicates a column, the unique values of which will become the new c olumns

| Year | College | Adm_Rate |
|------|---------|----------|
| 2018 | Grinnell | 1 |
| 2019 | Grinnell | 3 |
| 2018 | Oberlin | 2 |
| 2019 | Oberlin | 4 |

| Year | Grinnell | Oberlin |
|------|----------|---------|
| 2018 | 1 | 2 |
| 2019 | 3 | 4 |

values_from tells us what to use to "fill in" the wide section

```
pivot_longer(college_wide,
             cols = c("Grinnell", "Oberlin"),
             names_to = "College",
             values_to = "Adm_Rate")
```

| Year | Grinnell | Oberlin |
|------|----------|---------|
| 2018 | 1        | 2       |
| 2019 | 3        | 4       |

| Year | College  | Adm_Rate |
|------|----------|----------|
| 2018 | Grinnell | 1        |
| 2019 | Grinnell | 3        |
| 2018 | Oberlin  | 2        |
| 2019 | Oberlin  | 4        |

```
pivot_longer(college_wide,
             cols = c("Grinnell", "Oberlin"),
             names_to = "College",
             values_to = "Adm_Rate")
```

cols is a vector of all the columns we want to combine into a single new variable. Here, we want "Grinnell" and "Oberlin" to be in a single variable (names_to) called "College"

```
Year  Grinnell  Oberlin
2018         1        2
2019         3        4
```

```
Year  College  Adm_Rate
2018  Grinnell        1
2019  Grinnell        3
2018   Oberlin        2
2019   Oberlin        4
```

```
pivot_longer(college_wide,
             cols = c("Grinnell", "Oberlin"),
             names_to = "College",
             values_to = "Adm_Rate")
```

cols is a vector of all the columns we want to combine into a single new variable. Here, we want "Grinnell" and "Oberlin" to be in a single variable (names_to) called "College"

```
Year  Grinnell  Oberlin

2018         1        2

2019         3        4
```

```
Year  College  Adm_Rate
2018  Grinnell        1
2019  Grinnell        3
2018   Oberlin        2
2019   Oberlin        4
```

All of the values located under the columns in cols will go into a single column which we call values_to