

# Select columns

Prof. Dr. Nicolas Meseth

## By names

```
orders %>%  
  select(order_id, total_price)
```

```
# A tibble: 2,874 x 2  
  order_id total_price  
    <dbl>      <dbl>  
1 1130007101519      94.7  
2 1130014965839      32.2  
3 1130026958927      30.2  
4 1130030563407      32.2  
5 1130038853711      30.2  
6 1130045964367      30.2  
7 1130050519119      30.2  
8 1130060283983      32.2  
9 1130102194255      96.7  
10 1130106880079      32.2  
# ... with 2,864 more rows
```

## By data type

```
orders %>%  
  select(where(is.numeric))
```

```
# A tibble: 2,874 x 30  
  order_id order_~1 app_id curre~2 curre~3 curre~4 curre~5 total~6 total~7
```

```

      <dbl>    <dbl> <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>
1 1130007101519    1014 580111    94.7    94.7        2        0        2    96.7
2 1130014965839    1015 580111    32.2    32.2        0        0        0    32.2
3 1130026958927    1016 580111    30.2    30.2        2        0        2    32.2
4 1130030563407    1017 580111    32.2    32.2        0        0        0    32.2
5 1130038853711    1018 580111    30.2    30.2        2        0        2    32.2
6 1130045964367    1019 580111    30.2    30.2        2        0        2    32.2
7 1130050519119    1020 580111    30.2    30.2        2        0        2    32.2
8 1130060283983    1021 580111    32.2    32.2        0        0        0    32.2
9 1130102194255    1022 580111    96.7    96.7        0        0        0    96.7
10 1130106880079    1023 580111    32.2    32.2        0        0        0    32.2

```

```

# ... with 2,864 more rows, 21 more variables: total_outstanding <dbl>,
#   total_price <dbl>, total_tax <dbl>, total_tip_received <dbl>,
#   location_id <dbl>, customer_id <dbl>, customer_accepts_marketing <dbl>,
#   customer_is_hsos <dbl>, customer_orders_count <dbl>,
#   customer_total_spent <dbl>, customer_last_order_id <dbl>,
#   customer_verified_email <dbl>, customer_tax_exempt <dbl>,
#   shipping_address_zip <dbl>, shipping_address_latitude <dbl>, ...

```

```

orders %>%
  select(where(is.logical))

```

```

# A tibble: 2,874 x 3
  test taxes_included customer_sms_marketing_consent
  <lgl> <lgl>          <lgl>
1 FALSE TRUE        NA
2 FALSE TRUE        NA
3 FALSE TRUE        NA
4 FALSE TRUE        NA
5 FALSE TRUE        NA
6 FALSE TRUE        NA
7 FALSE TRUE        NA
8 FALSE TRUE        NA
9 FALSE TRUE        NA
10 FALSE TRUE        NA
# ... with 2,864 more rows

```

```

orders %>%
  select(where(is.character))

```

```
# A tibble: 2,874 x 27
  name discount_~1 finan~2 fulfi~3 sourc~4 landi~5 landi~6 note tags proce~7
  <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr>
1 B1014 DCBPXGJB1J~ paid fulfil~ web /passw~ <NA> <NA> <NA> direct
2 B1015 <NA> paid fulfil~ web /walle~ <NA> <NA> <NA> express
3 B1016 KYOD5MNEZB~ paid fulfil~ web / <NA> <NA> <NA> express
4 B1017 <NA> paid fulfil~ web /walle~ <NA> <NA> <NA> express
5 B1018 DCBPXGJB1J~ paid fulfil~ web <NA> <NA> <NA> <NA> express
6 B1019 DCBPXGJB1J~ paid fulfil~ web <NA> <NA> <NA> <NA> express
7 B1020 DCBPXGJB1J~ paid fulfil~ web <NA> <NA> <NA> <NA> express
8 B1021 <NA> paid fulfil~ web / <NA> <NA> <NA> express
9 B1022 <NA> paid fulfil~ web /walle~ <NA> <NA> <NA> express
10 B1023 <NA> paid fulfil~ web <NA> <NA> <NA> <NA> express
# ... with 2,864 more rows, 17 more variables: payment_details_gateway <chr>,
# payment_details_credit_card_company <chr>,
# customer_marketing_opt_in_level <chr>, customer_gender <chr>,
# customer_state <chr>, customer_note <chr>, customer_tags <chr>,
# customer_last_order_name <chr>, campaign_tag <chr>,
# shipping_address_city <chr>, shipping_address_country <chr>,
# billing_address_city <chr>, billing_address_country <chr>, ...
```

```
orders %>%
  select(where(is.factor))
```

```
# A tibble: 2,874 x 0
```

```
orders %>%
  select(where(is.list))
```

```
# A tibble: 2,874 x 0
```

```
# The package lubridate provides a function to check for date (without time)
orders %>%
  select(where(lubridate::is.Date))
```

```
# A tibble: 2,874 x 0
```

```

# Select all date/time columns
orders %>%
  select(where(lubridate::is.POSIXct))

# A tibble: 2,874 x 8
  created_at      updated_at      processed_at
  <dtm>          <dtm>          <dtm>
1 2019-05-24 12:59:16 2019-06-19 13:23:26 2019-05-24 12:59:15
2 2019-05-24 13:09:08 2019-06-21 14:40:07 2019-05-24 13:09:07
3 2019-05-24 13:22:41 2019-06-21 12:35:23 2019-05-24 13:22:40
4 2019-05-24 13:27:43 2019-06-21 14:27:18 2019-05-24 13:27:42
5 2019-05-24 13:36:46 2019-06-21 12:11:57 2019-05-24 13:36:45
6 2019-05-24 13:44:41 2019-06-21 14:37:21 2019-05-24 13:44:41
7 2019-05-24 13:49:21 2019-06-21 12:25:16 2019-05-24 13:49:20
8 2019-05-24 13:59:57 2019-06-21 11:49:47 2019-05-24 13:59:57
9 2019-05-24 14:43:53 2019-06-19 14:12:38 2019-05-24 14:43:53
10 2019-05-24 14:48:16 2019-06-21 15:54:24 2019-05-24 14:48:16
# ... with 2,864 more rows, and 5 more variables:
#   customer_accepts_marketing_updated_at <dtm>, customer_created_at <dtm>,
#   customer_updated_at <dtm>, cancelled_at <dtm>, closed_at <dtm>

```