# Hazel

**Numerics** ▼    **Plotting** ▼    **Statistics** ▼    **+**

```
fun summary_stats(m : matrix<float>)
  ⎰ mean   = mean(m, ColumnWise)
  ⎱ std    = std(m, ▢)
    median = ▢
```
(a)

```
let my_data : matrix<float> =
  ⎡ 1.1  2.3  3.0  4.1  5.2 ⎤
  ⎢ 1.2  1.8  3.1  4.1  5.2 ⎥
  ⎢ 0.9  2.2  2.7  3.5  4.9 ⎥
  ⎣ 0.8  1.5  3.3  4.3  4.7 ⎦
```
(b)

```
summary_stats(my_data)
```

```
  ⎰ mean   = [1.0  2.0  3.0  4.0  5.0]
  ⎱ std    = std(my_data, ▢)
    median = ▢
```
(c)

Type at cursor: dimension

Action search...                    (d)

ColumnWise (most probable)

RowWise

Factor to variable...

▢(▢)

Full action palette...