Advanced Types

```
forecast | Handler | A
```

Algebraic Types

```
forecast | Handler | A
```

Algebraic Types



```
data Shape

= Rectangle Float Float -- height, width
| Square Float -- size
| Circle Float -- radius
| Point
```

Algebraic Types



Algebraic types can be deconstructed using patterns:

```
area :: Shape -> Float
area (Rectangle width height) = width * height
area (Square size) = area (Rectangle size size)
area (Circle radius) = pi * radius * radius
area Point = 0
```