



PINE SCRIPT CHEAT SHEET

Pine Script is a programming language developed by TradingView. Allows traders to create custom technical indicators, strategies, and alerts on their platform.

Basics

```
//@version=6
indicator("Name", overlay=true)
strategy("Name", overlay=true)
```

Scripts must contain a version and *an indicator* or a *strategy*.

Data types

```
int integer_number = 13
float decimal_number = 3.13
bool bearish = true
string NAME = "Kevin"
color BASE = color.rgb(0, 255, 0)
point1 = chart.point.now(price)
a1 = array.new<int>(1, 10)
```

Is not always needed to define explicitly the data type.

Time series

close price: close
open price: open
high price: high
low price: low
volume shares: volume

Time series are data that are related to time. E.g., close price/time.

Plotting

```
plot(close, "Title", color, width)
plotshape(condition, "Title", ... )
plotchar(condition, "Title", char)
hline(value, "Title", color)
fill(plot1, plot2, color)
```

hline refers to horizontal line, and the fill function paints between plot1 and plot 2.

Functions

Math: math.max(), math.min(), math.sqrt(), math.round(), etc.
Technical indicators: ta.sma(), ta.ema(), ta.crossover(), etc.
Inputs: input.int(), input.color()
Strings: str.length(), str.tonumber()
Events: alert(), alertcondition()
User-defined: my_func(x,y) => x+y

The syntax usually is <namespace>. <function>. Example given: ta.rsi(...)

Logic

```
x = if close > open
    close
for i = 0 to lastIndex
    element = array.get(i)
```

Loops like *for* are useful when iteration through *collections* is needed.

Disclaimer

This document is made just as a basic-level reminder of what is capable in Pine Script. In no case is it a replacement for the official documentation of Pine Script itself. For further details or more advanced content, check www.tradingview.com/pine-script-docs/

Made by:

Kevin Pizarro A.
 **KevinGaman**