Python Altair Cheat Sheet

by gerog via cheatography.com/121971/cs/22502/

Basics

```
import altair as alt
from vega_d atasets
import data
cars = data.c ars()
alt.Ch art (ca rs).ma -
rk_ poi nt( ).e ncode(
        x=' Hor sep -
ower',
        y=' Mil es_ -
per _Ga llon',
        col or= 'Or -
igin',
)
```

Gallery

Examples Gallery

Encodings

Channels	X, Y, X2, Y2
Mark Property	Color, Fill, Size, Opacity
Text	Text (for labels), Tooltip
Facet	Column, Row, Facet
Others	Detail, Order

Short form is the same without first **C**apital letter

Encoding Data Types

quanti-tative (Q)	a continuous real-v-alued quantity
ordinal (O)	a discrete ordered quantity
nominal (N)	a discrete unordered category
temporal (T)	a time or date value

(shorthands)

Encoding Options

field	field to encode	
axis	axis's gridlines, ticks, labels	X, Y
bin	True: bin a quatit-ative var.	X, Y

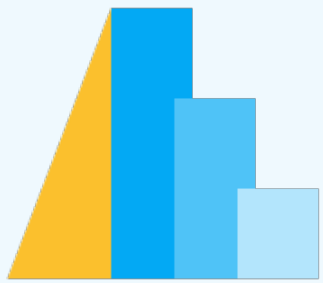
Marks

```
mark_area()
mark_l ine()
mark_bar()
mark_p oint()
mark_c ircle()
mark_r ect()
mark_t ext()
mark_t ick()
mark_b oxp lot()
mark_e rro rband()
mark_e rro rbar()
```

Compound Charts

alt.layer(chart1, chart2)	chart1 + chart2
alt.hconcat(c1, c2)	chart1 | chart2
alt.vconcat(c1, c2)	chart1 & chart2
chart.facet(facet, row, column)	as a method
chart.repeat(row, column)	as a method

Altair Cheat Sheet



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