

DATA VISUALIZATION DECISION TREE

Environmental Data Analytics (Spring 2019) – Kateri Salk

How many variables?

Type of data?

ggplot layer

1

Categorical

geom_bar

Continuous

geom_histogram
geom_freqpoly
geom_boxplot
geom_violin

2

Continuous,
divided by category

geom_bar + geom_errorbar
geom_boxplot
geom_dotplot
geom_violin
geom_freqpoly

Continuous

geom_point
geom_line

3+

Continuous x2,
divided by category

geom_point + aes(shape, color)
geom_point + facet_wrap

Continuous,
divided by category x2

geoms as above +
aes(color) + position = "dodge"