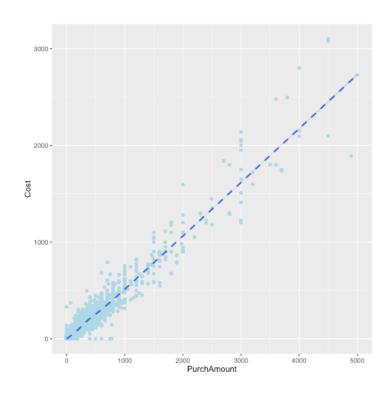
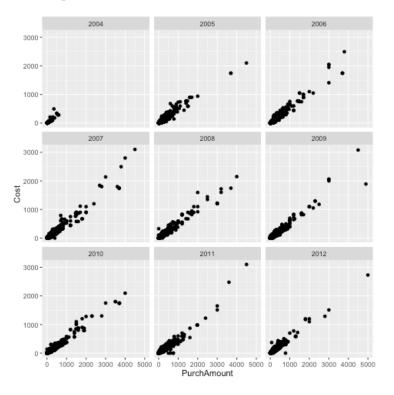
Very advanced plotting options

#### Overlay plots on the same axes (i.e., overlay geoms)



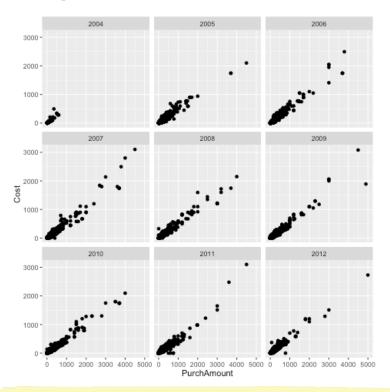
# Facets split up your data by one or more variables and plot the subsets of data together



Function year()
from the lubridate
package extracts the
year from a date

Formula (~ -operator) specifying variables to facet by

# Facets split up your data by one or more variables and plot the subsets of data together

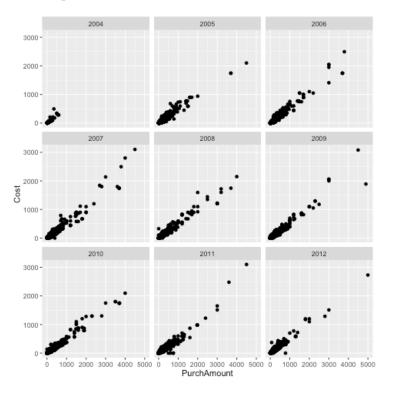


Function year ()
from the lubridate
package extracts the
year from a date

```
myData[,Year:= year(TransDate)]
ggplot(myData, aes(PurchAmount, Cost)) + geom_point() +
    facet wrap(~Year, ncol=3) + theme few()
```

Formula (~ -operator)
specifying variables to facet by

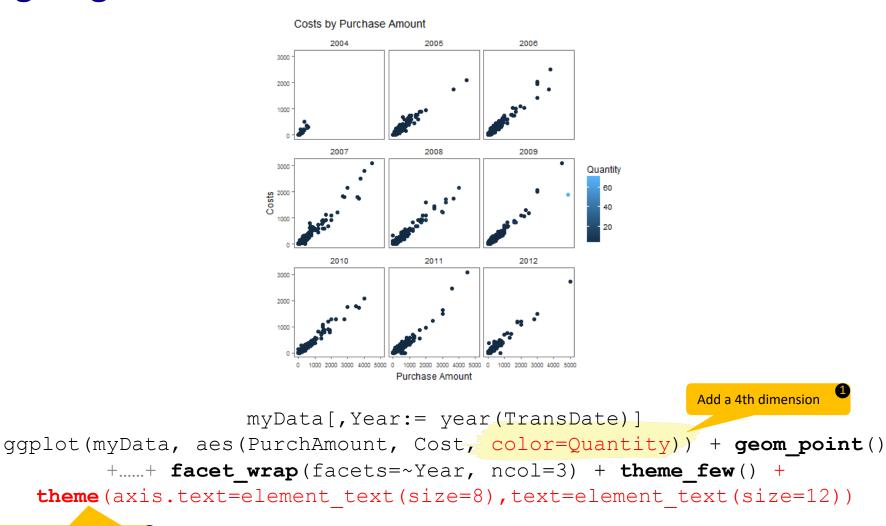
# Facets split up your data by one or more variables and plot the subsets of data together



Function year ()
from the lubridate
package extracts the
year from a date

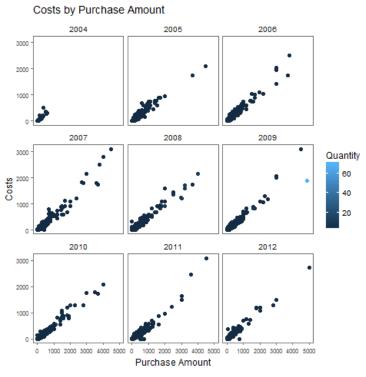
Formula (~ -operator)
specifying variables to facet by

#### With facets you can plot up to four dimensions in one single figure



Adjust layout to fit text in plot 2

### With facets you can plot up to four dimensions in one single figure



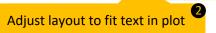
```
add a 4th dimension

myData[,Year:= year(TransDate)]

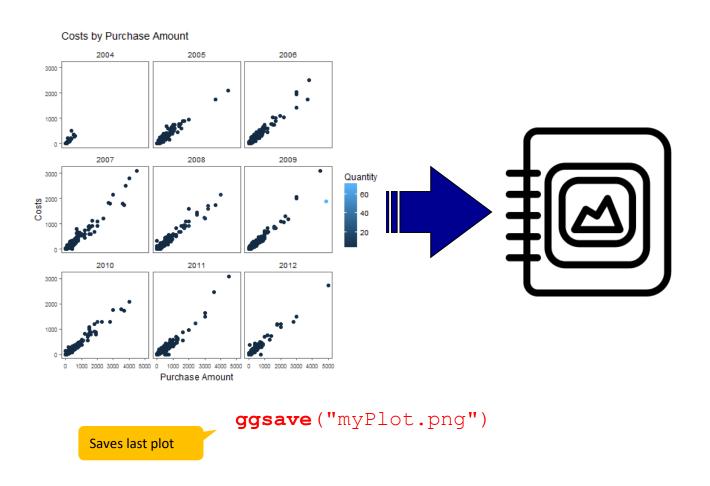
ggplot(myData, aes(PurchAmount, Cost, color=Quantity)) + geom_point()

+.....+ facet_wrap(facets=~Year, ncol=3) + theme_few() +

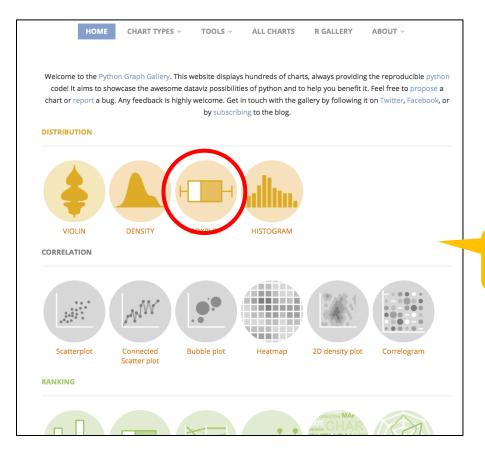
theme(axis.text=element_text(size=8),text=element_text(size=12))
```



## Save your ggplot with ggsave () or via the point-and-click method



# Visualize data with <a href="https://r-graph-gallery.com">https://r-graph-gallery.com</a> Step 1: Explore functions



Get a smart overview over possibilities to visualize data with reproducible R code at <a href="https://r-graph-gallery.com">https://r-graph-gallery.com</a>

Get inspired by the graphs on the home page

# Visualize data with <a href="https://r-graph-gallery.com">https://r-graph-gallery.com</a> Step 2: Understand your function

Variable 1

1.3

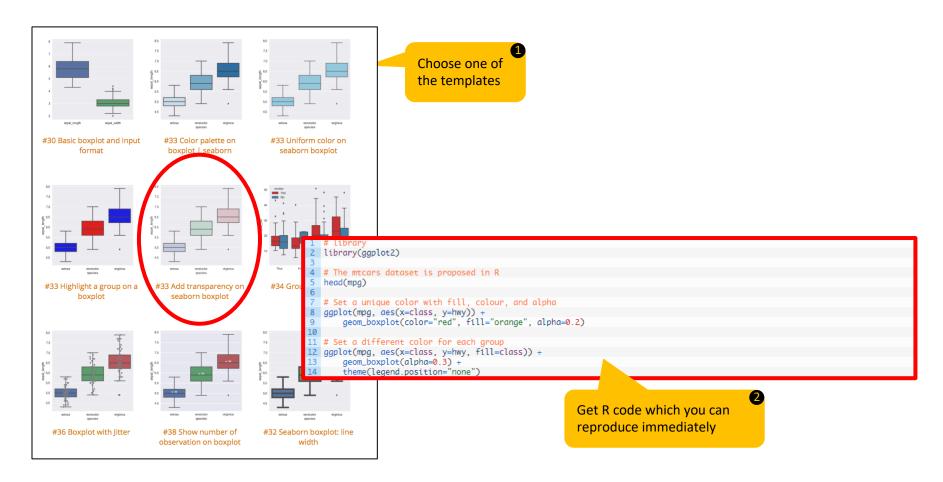
Group

Α

#### BOXPLOT Boxplot is probably one of of the data. The end of the existing behind the the most common type of box shows the upper and variable. Thus, it is highly graphic. It gives a nice quartiles. advised print the extreme lines shows the number of observation. **summary** of one or add unique observation highest and lowest value several numeric excluding outliers. Note variables. The line that with jitter or use a divides the box into 2 parts that boxplot hide the violinplot if you have many represents the median number of values observations. Input format

Find a short function summary and for what data the plot is suited

# Visualize data with <a href="https://r-graph-gallery.com">https://r-graph-gallery.com</a> Step 3: Choose your favorite and get the code



# Summing up: endless possibilities enable users to create professional data visualization

There are (almost) no restrictions in data visualization. Watch the examples and understand why and how to create even better plots and maps!

