

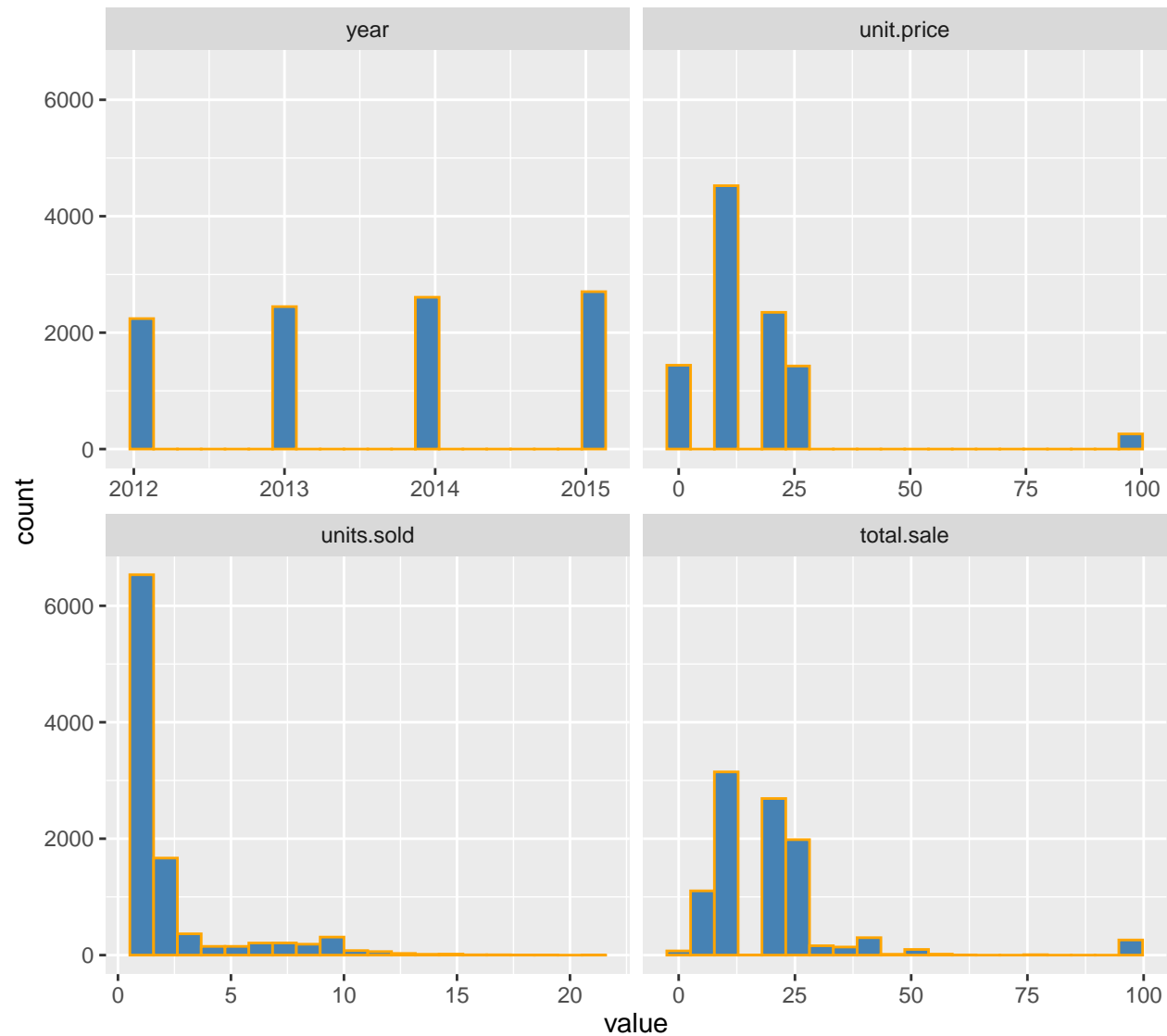
```

> #structure of the data set
> str(art)
'data.frame':  10000 obs. of  9 variables:
 $ date      : chr  "1/3/2012" "1/3/2012" "1/3/2012" "1/4/2012" ...
 $ year      : int   2012 2012 2012 2012 2012 2012 2012 2012 2012 2012 ...
 $ rep       : chr  "Qiaoli" "Qiaoli" "Barakat" "Thomas" ...
 $ store     : chr  "Portland" "Portland" "Portland" "Davenport" ...
 $ paper     : chr  "watercolor" "drawing" "drawing" "watercolor" ...
 $ paper.type: chr  "pad" "roll" "pads" "pad" ...
 $ unit.price: num   12.2 21 10.3 12.2 10.3 ...
 $ units.sold: int    1 1 1 2 1 1 16 2 1 1 ...
 $ total.sale: num   12.2 21 10.3 24.3 10.3 ...

> #####
> # Desription: Art Dataset
> # - This dataset includes stationary (paper) sales across 4 stores between 2012 and 2015.
> # - There are about 10,000 observations across 9 variables
> #   "date", "year", "rep", "store","paper", "paper.type", "unit.price", "units.sold" and "total.sale"
> # - Total sales of 4 types of paper include, "pad", "roll", "pads", "journal","sheet", "block"
> # - Two major kinds of paper are watercolor and drawing by 12 reps across all stores
>
> #####
> #
> cat("Number of Columns ",ncols)
Number of Columns  9
> cat("Number of Rows ",nrows)
Number of Rows  10000
> cat("data size is ",data.size) #3600
data size is  3600

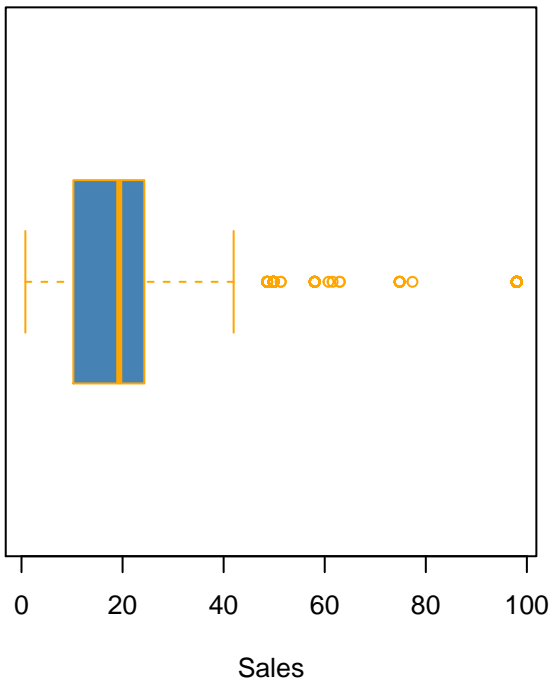
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Histogram – Data availability

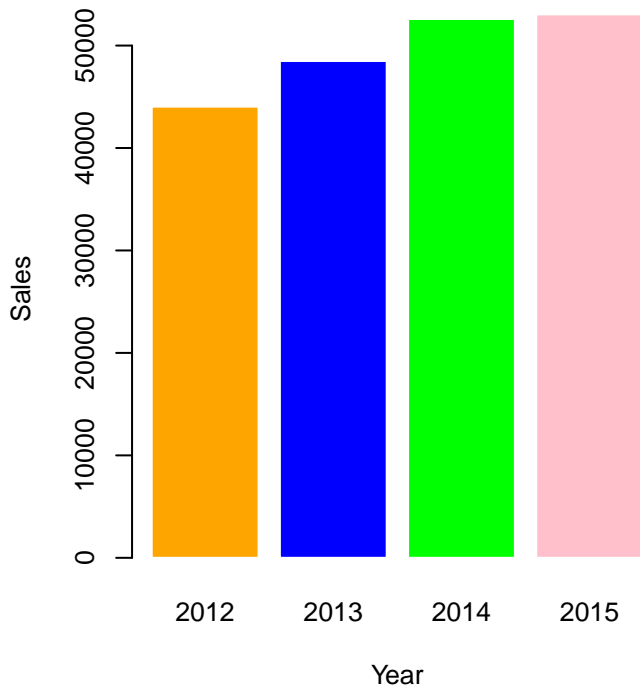


Single Dimension Charts

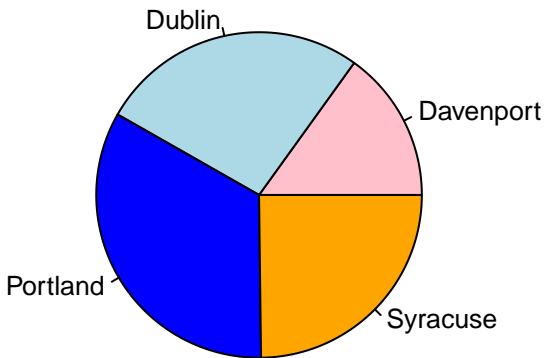
Total Sales distribution



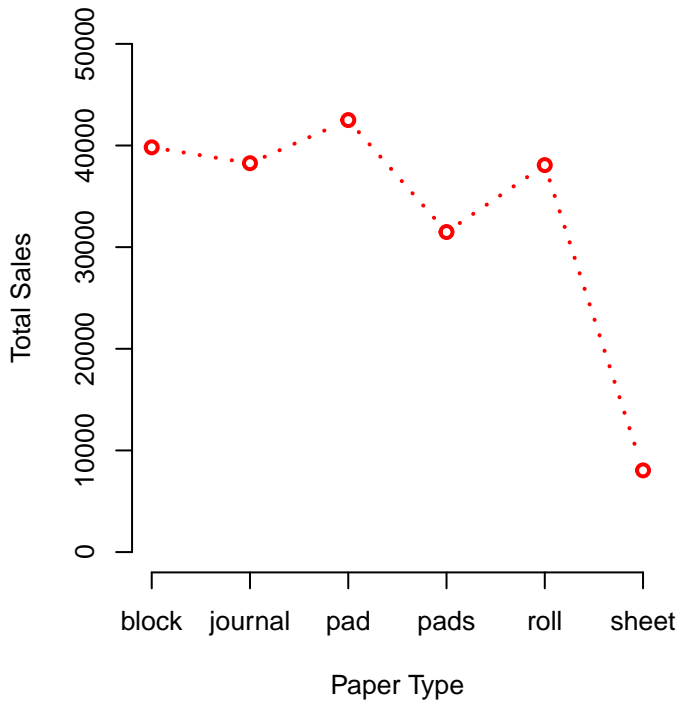
Total Sales by Year



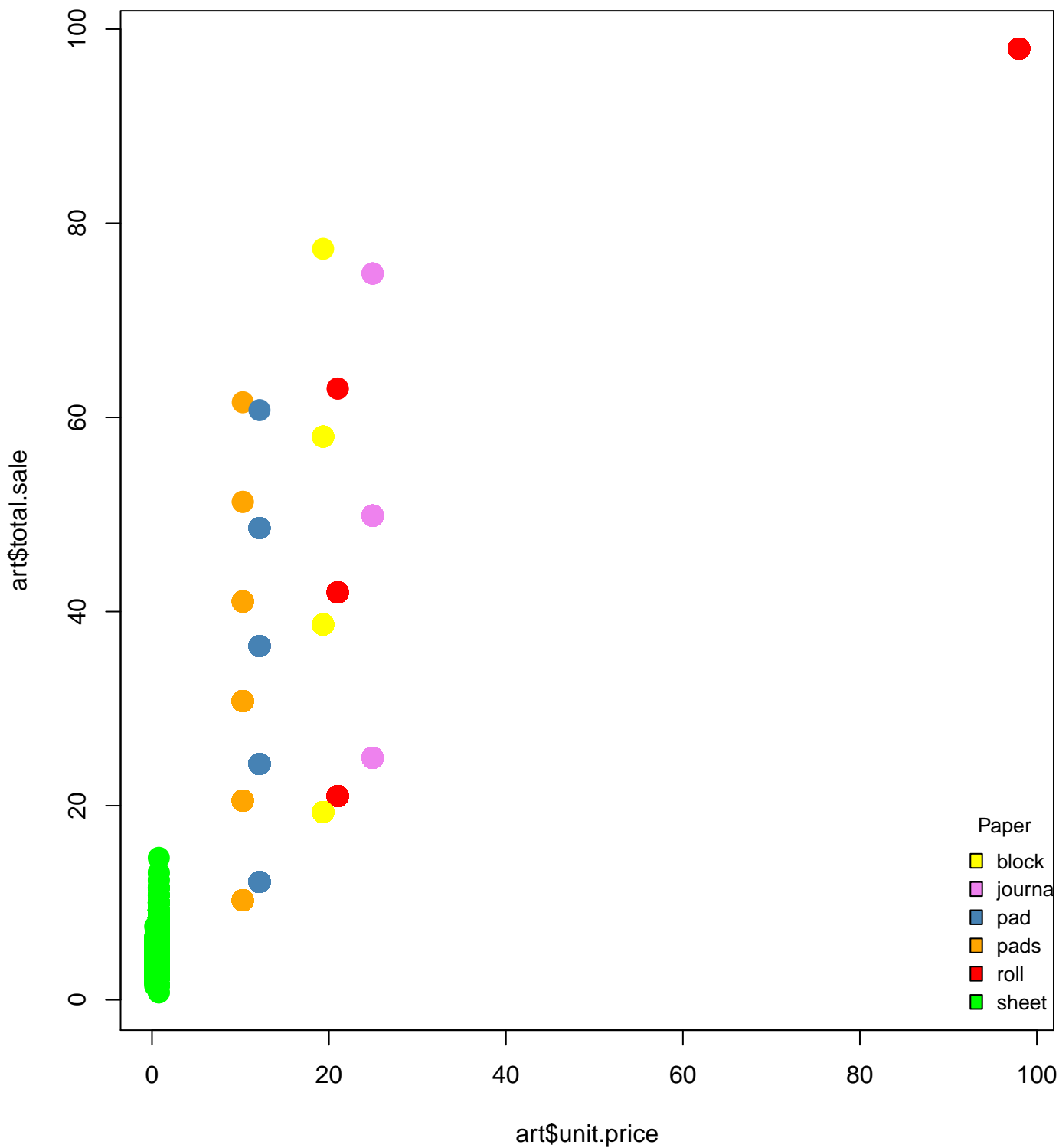
Units Sold by Store



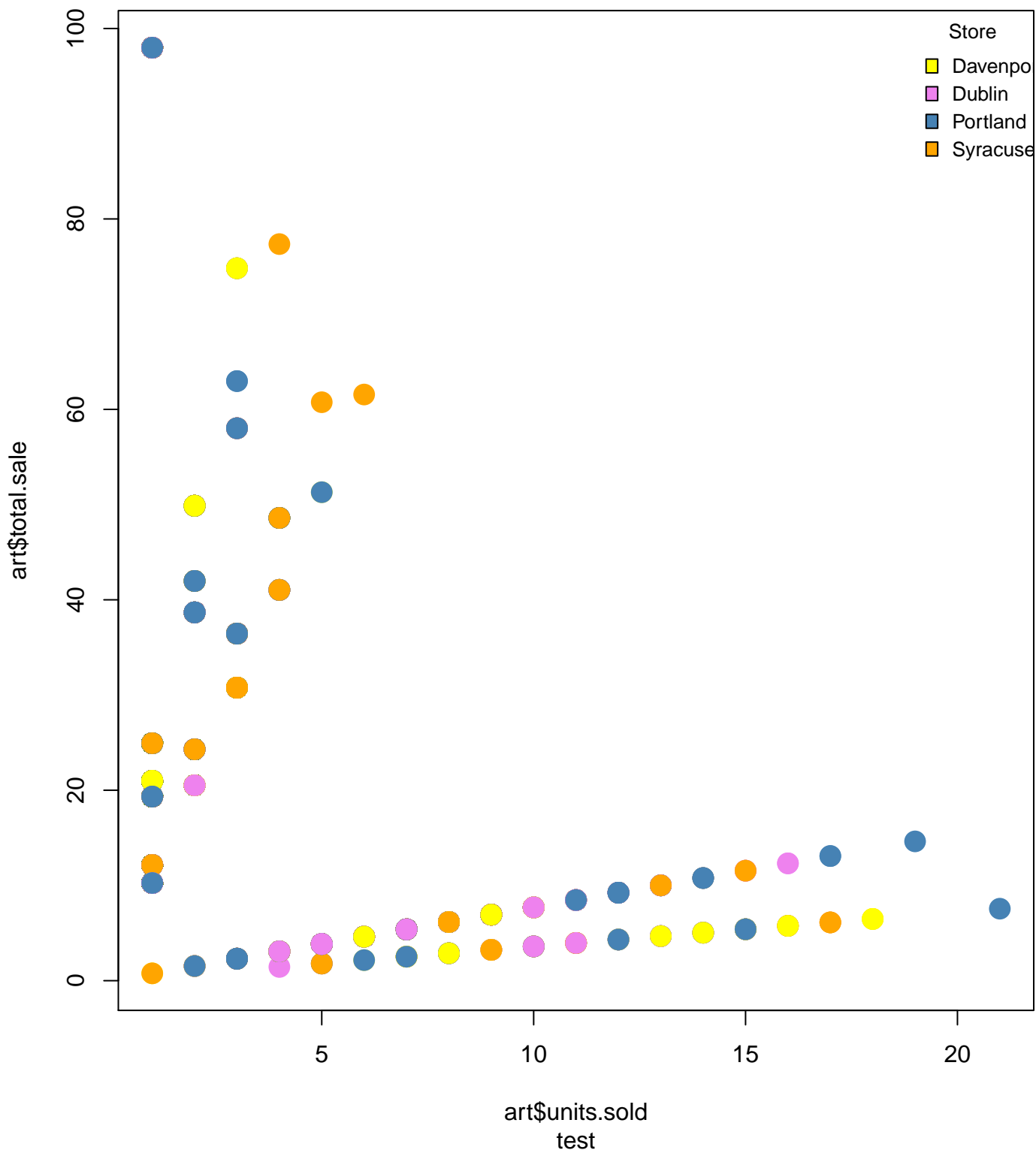
Total Sales by Paper Type



Units Price vs Sales by Paper



Units Sold across Stores



Units Sold By Store and Type of Paper

