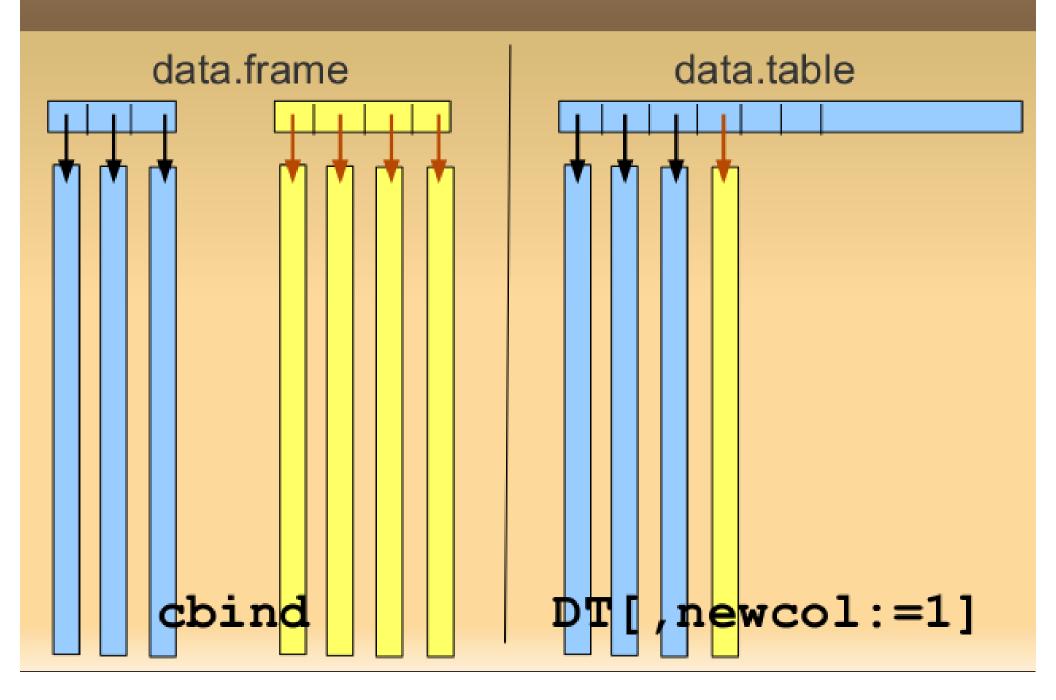
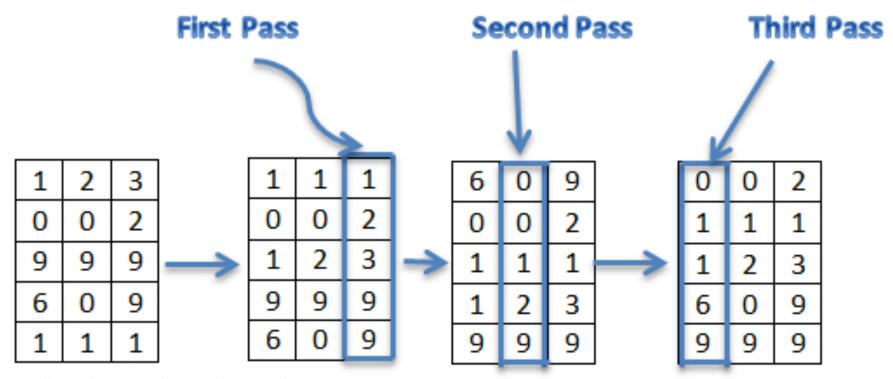
## Reducing compute time

e.g. 10 million rows x 3 columns x,y,v 230MB

See above in timings vignette (copy and paste)

### Over allocation





source: http://scanftree.com/Data\_Structure/radix-sort

#### set\* functions

```
set()
setattr()
setnames()
setcolorder()
setkey()
setkey()
```

# Analogous to SQL

```
DT[ where,
    select | update,
    group by]
    [ having ]
    [ order by ]
    []...[]
```

## Reducing compute time

e.g. 10 million rows x 3 columns x,y,v 230MB

See above in timings vignette (copy and paste)