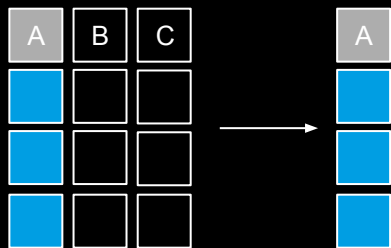


# TRANSFORM DATA

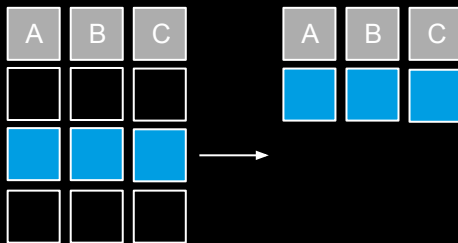
{{ dplyr }}

types of transformations

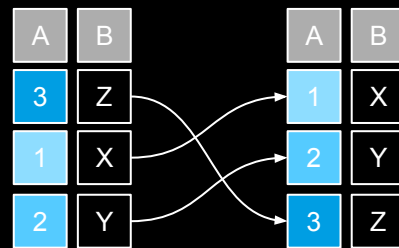
`select()`



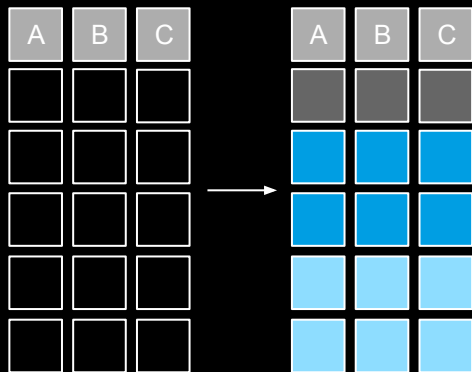
`filter()`



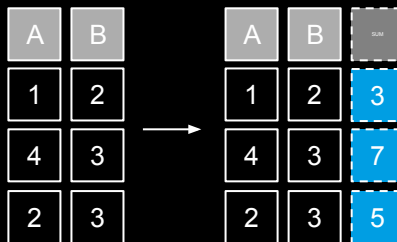
`arrange()`



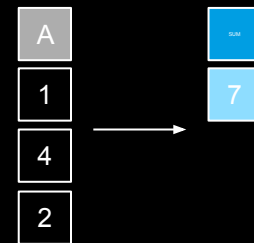
`group_by()`



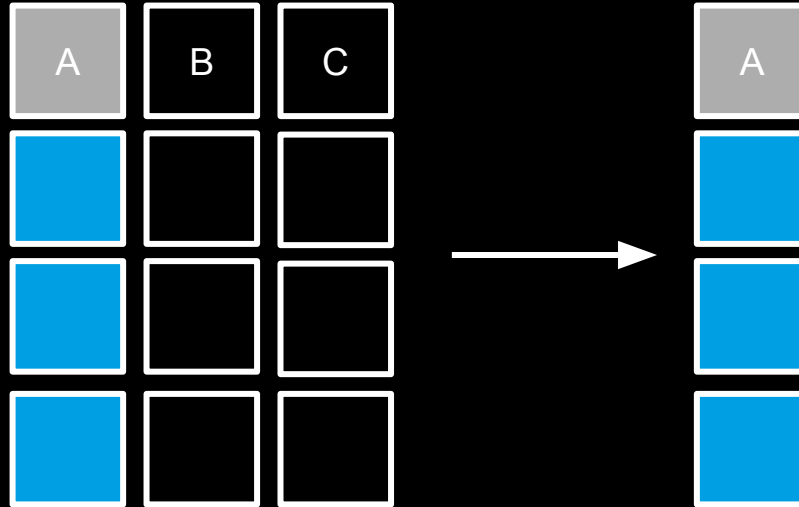
`mutate()`



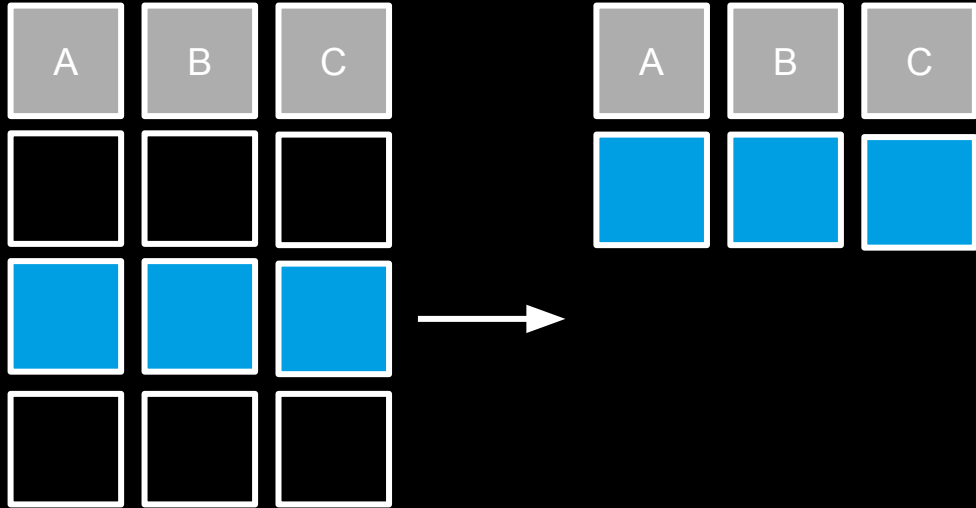
`summarize()`



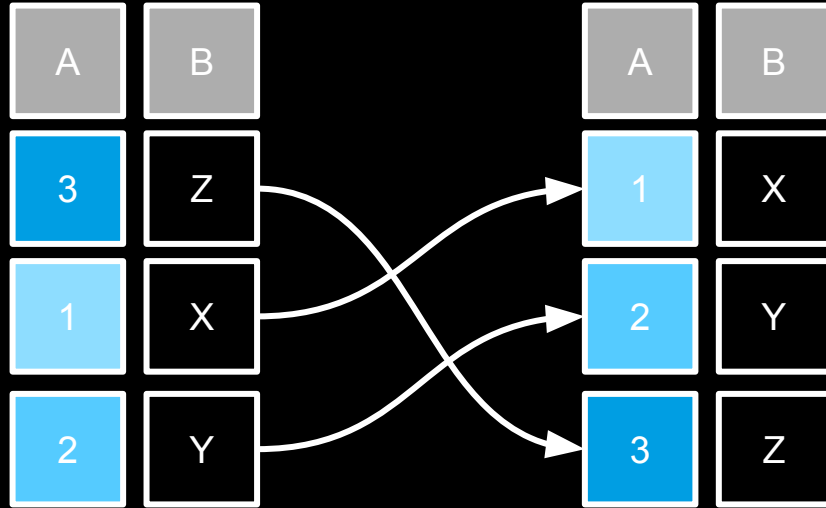
`select()`



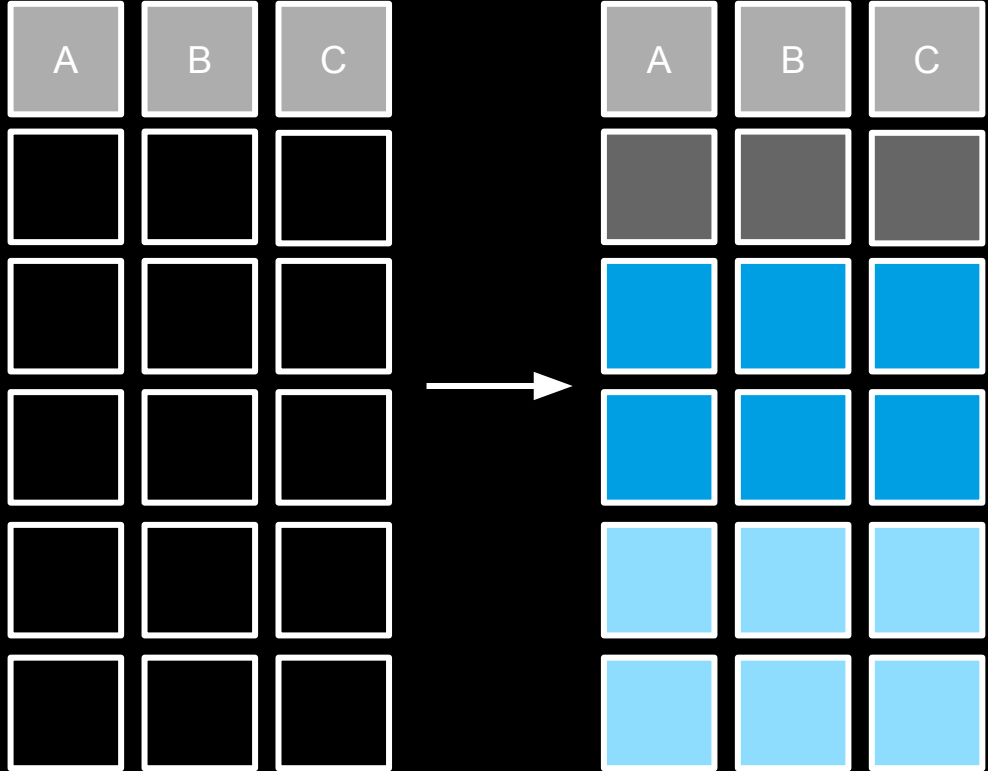
`filter()`



arrange()

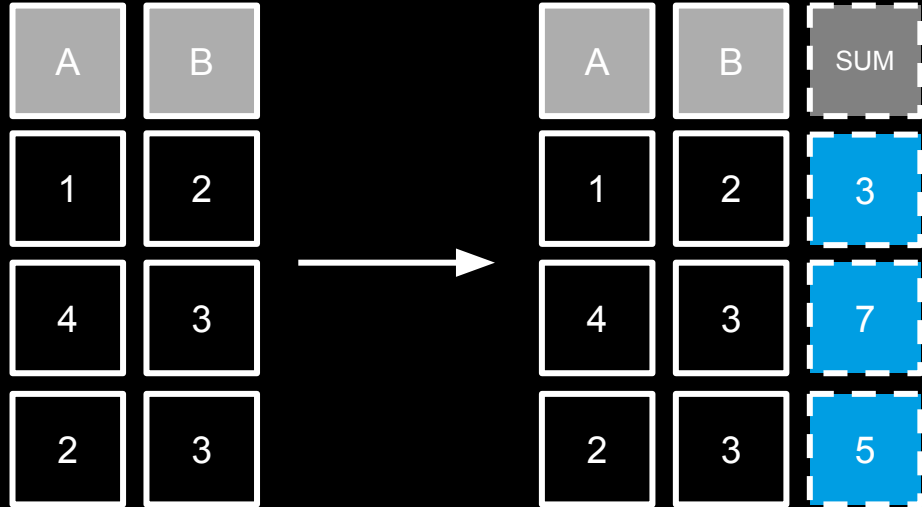


`group_by()`

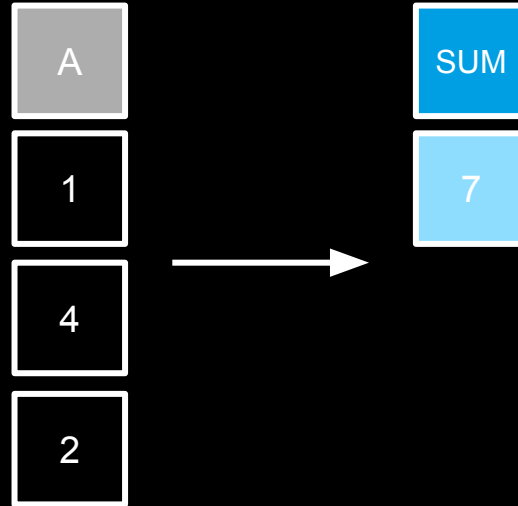




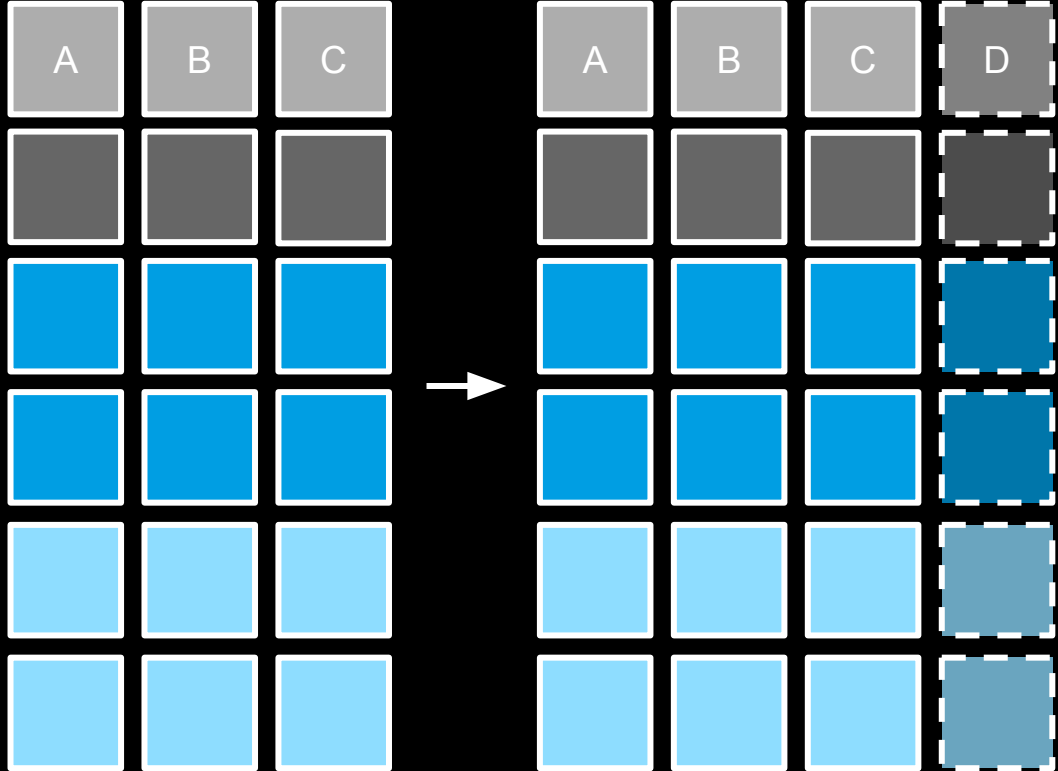
mutate()



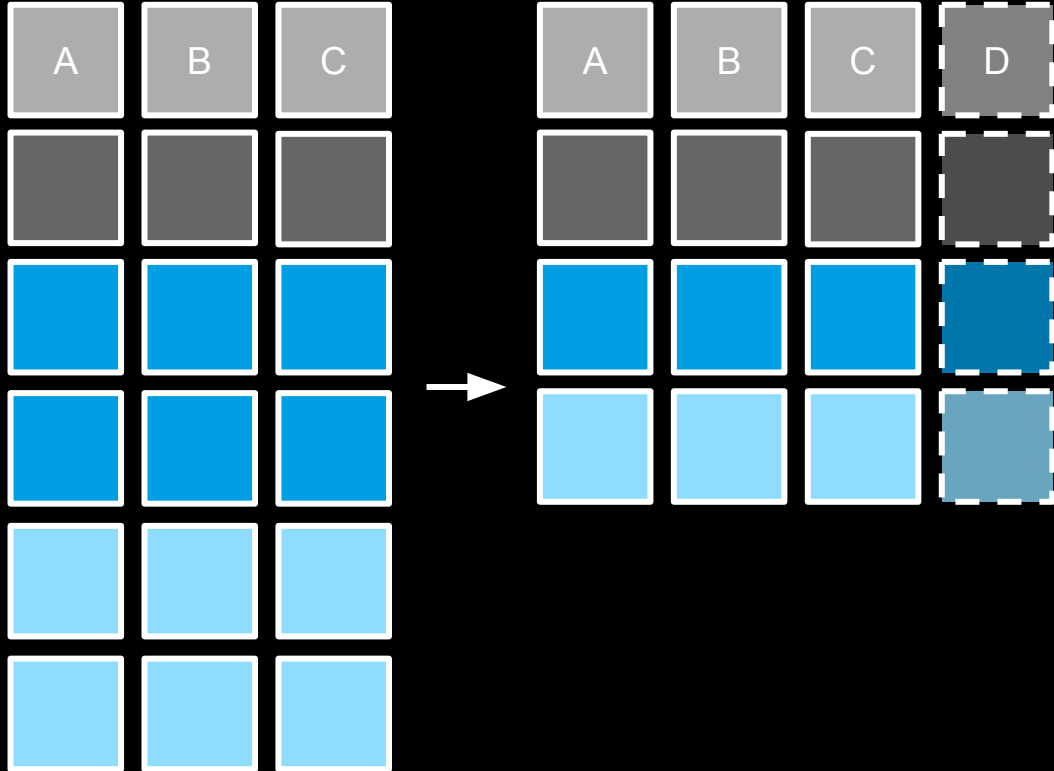
`summarize()`



`group_by()`  
+  
`mutate()`

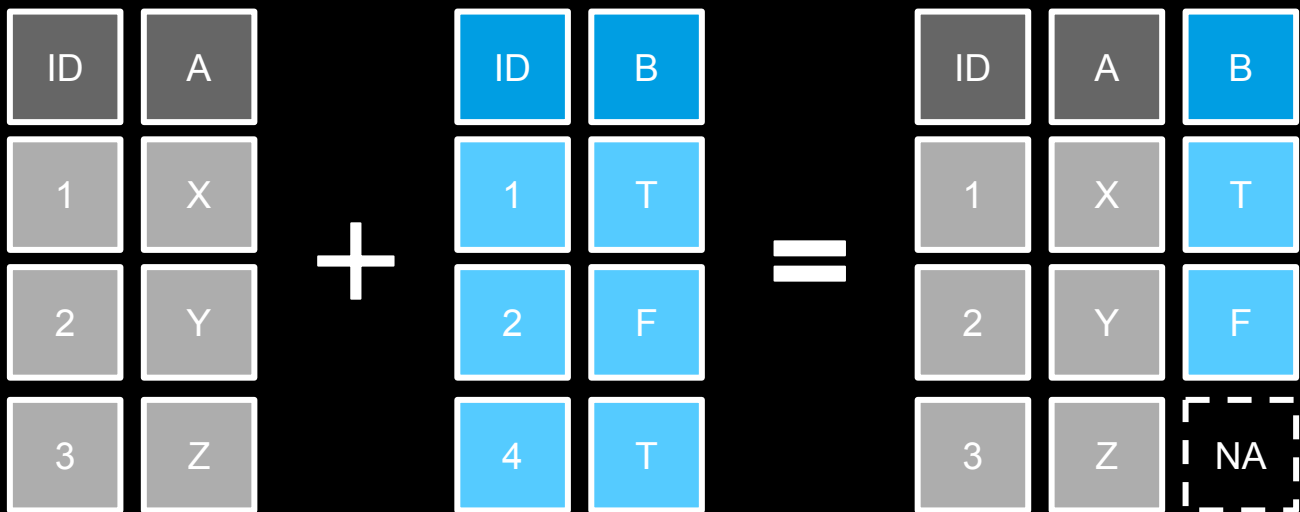


`group_by()`  
+  
`summarize()`



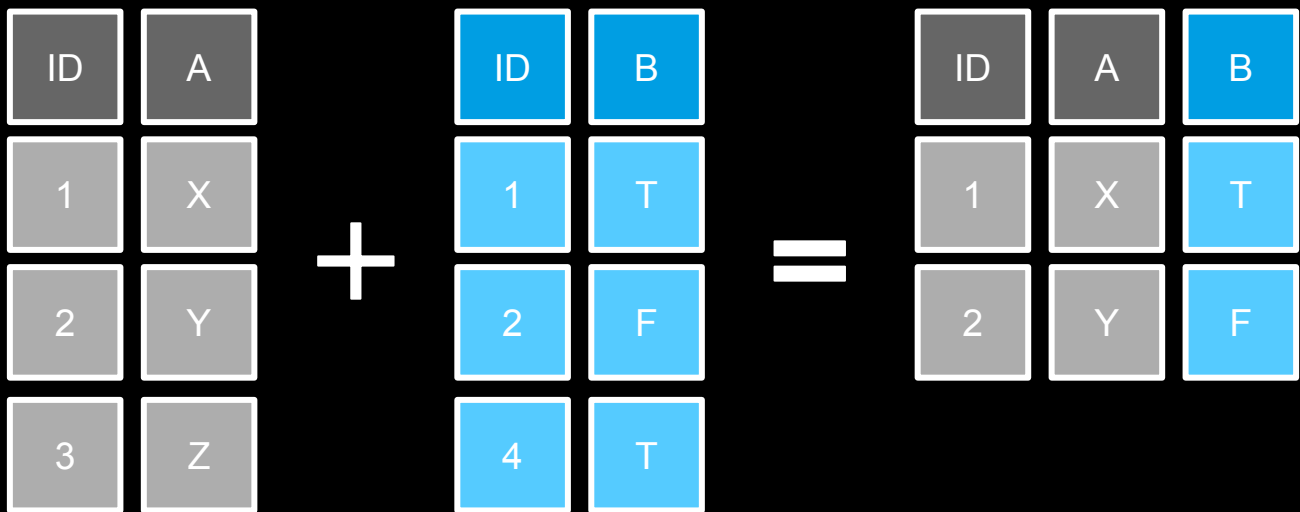
joining data

`left_join()`



`inner_join()`





```
full_join()
```

