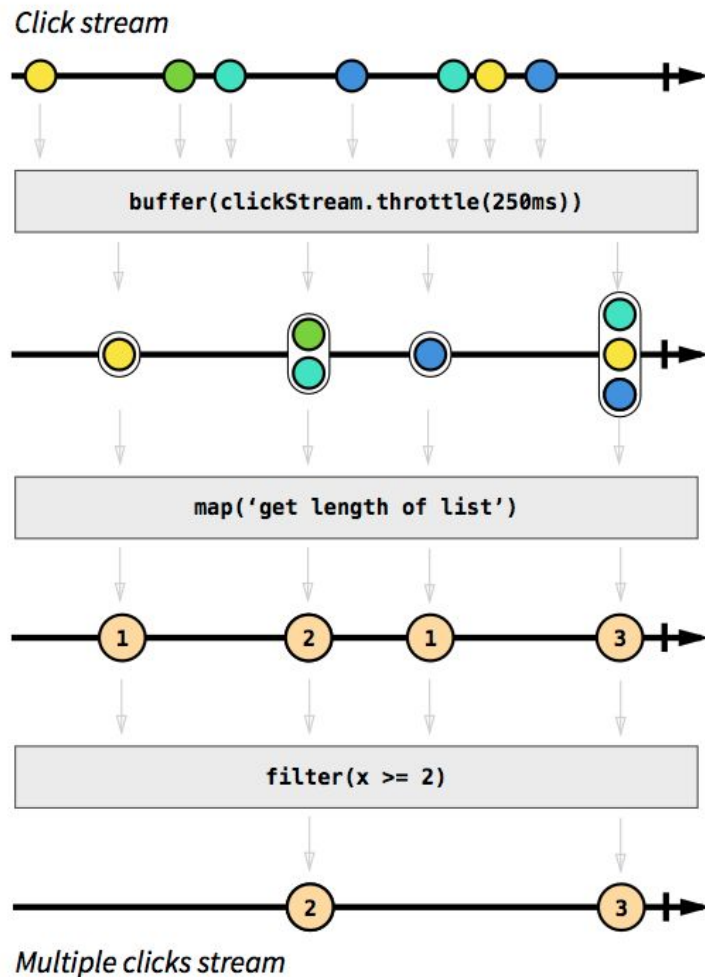


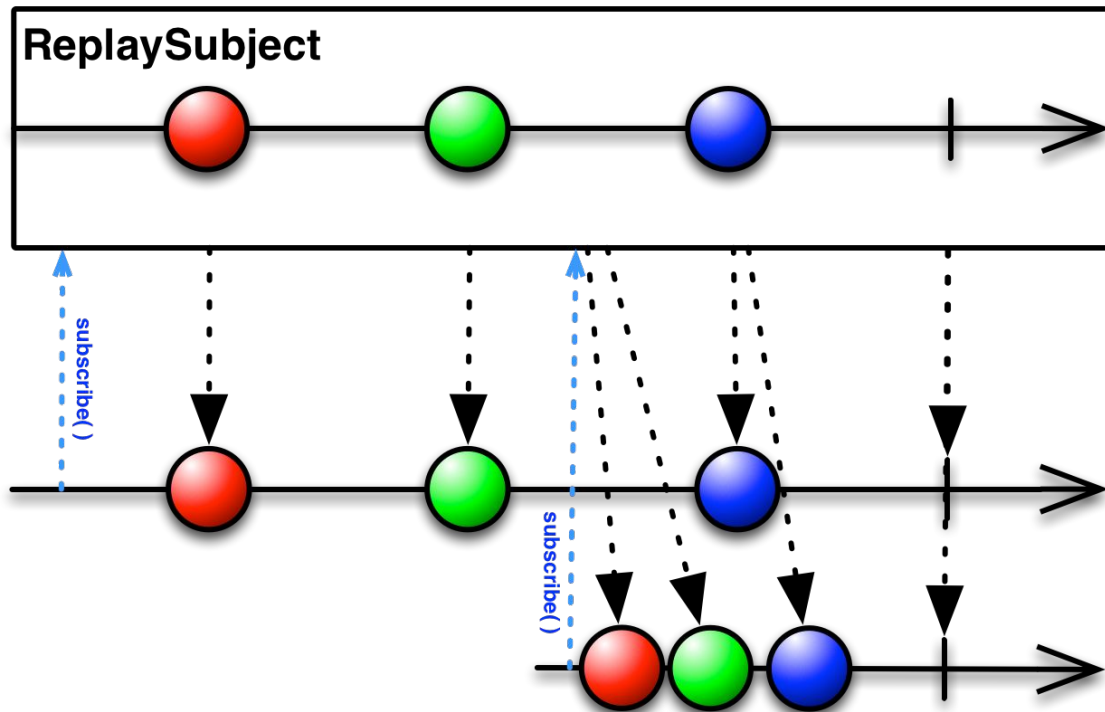


# Reactive programming 101

- Asynchronous data streams



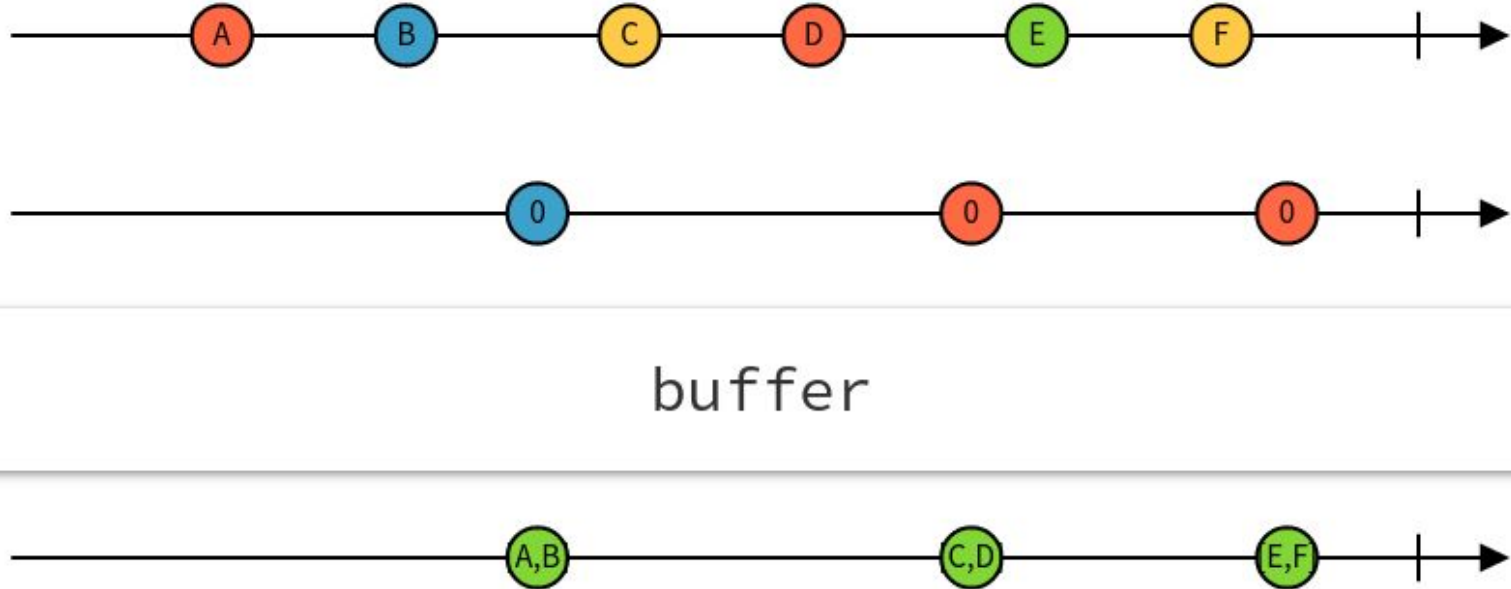
# Subjects



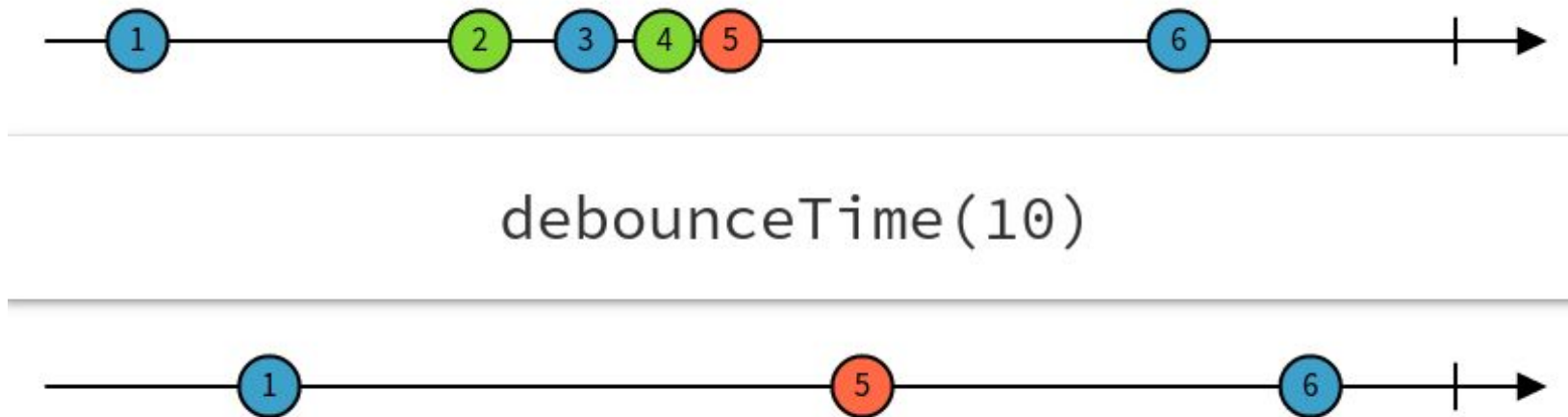
# Operators - Map/ Filter

```
var stream =  
Rx.Observable.from([1,2,3])  
    .map(x => x * 10)  
    .filter(x => x > 20);  
stream.subscribe(console.log)
```

# Backpressure Operators - Buffering



# Backpressure Operators - Debounce



# Technisches Fazit

- Skaliert sehr gut
- Echtzeit fähig
- Ressourcen sparend
- Backend und Frontend
- Verwendbar mit vielen Sprachen

# Persönliches Fazit

- Anwendung funktionaler Konzepte
  - map
  - filter
  - etc.
- Lesbarer Code
- Gute Dokumentation
- Steile Lernkurve
- Modernes Konzept
- Vielseitig einsetzbar
  - Logger
  - Error handling
  - Notifications
- Macht spass :)





# GitHub

<https://github.com/code-inflation/pcp-reactive>