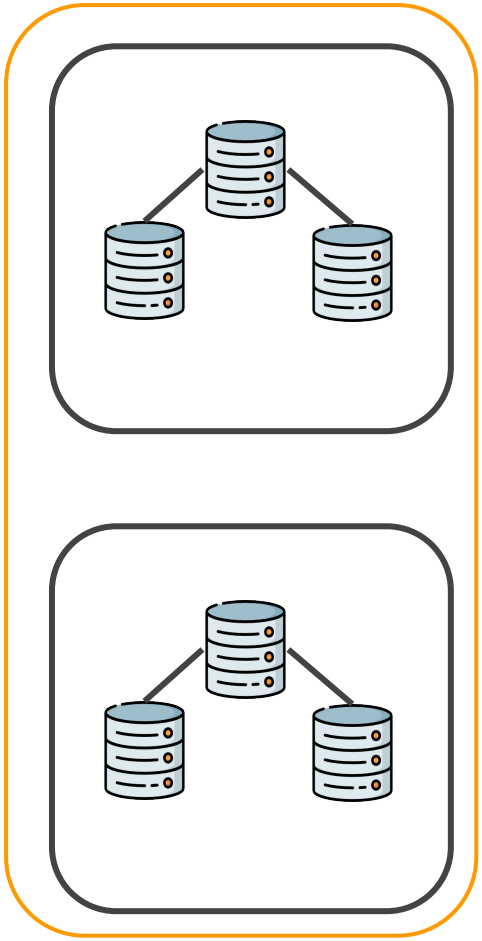
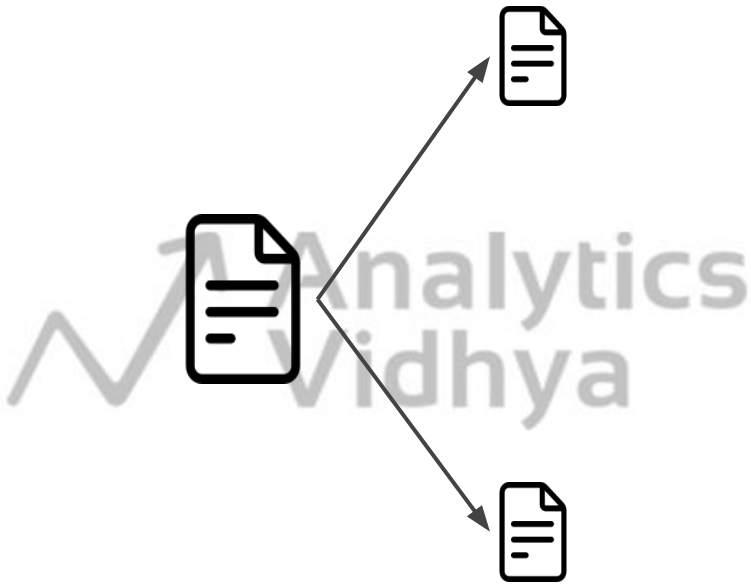
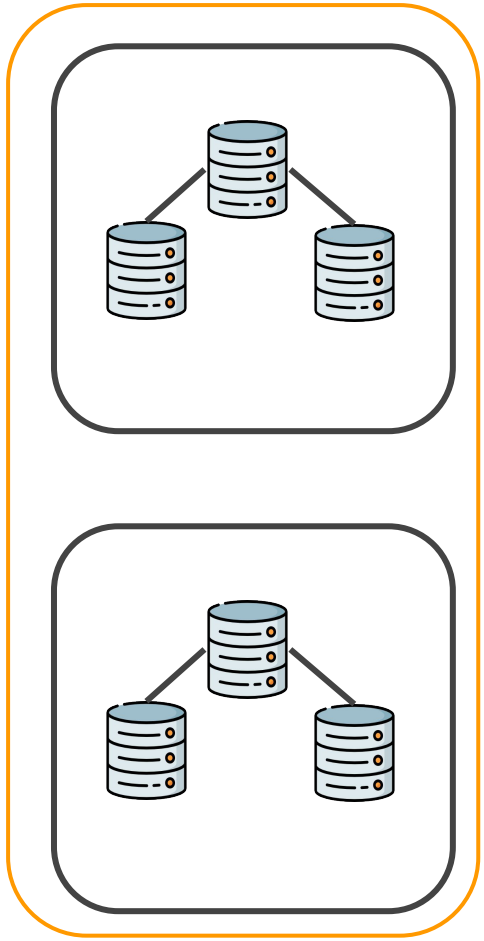
Sharding in MongoDB

Analytics Vidhya

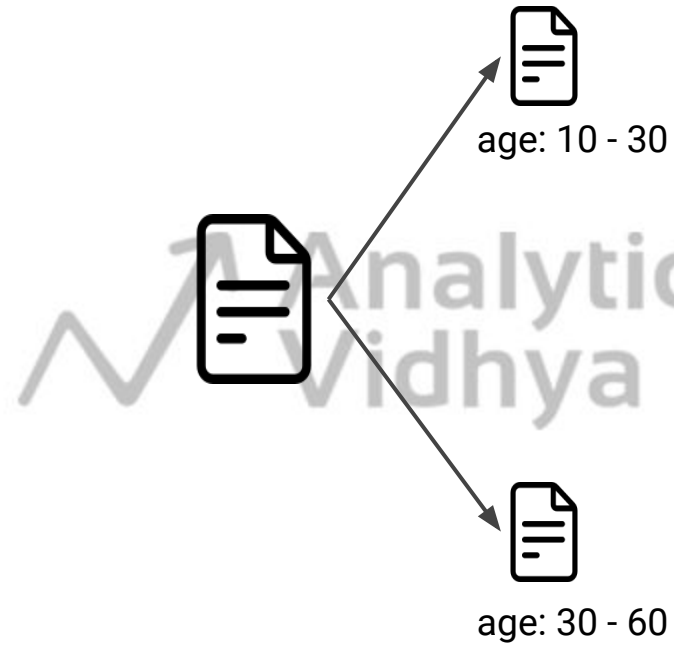


Analytics Vidhya





Analytics
Vidhya



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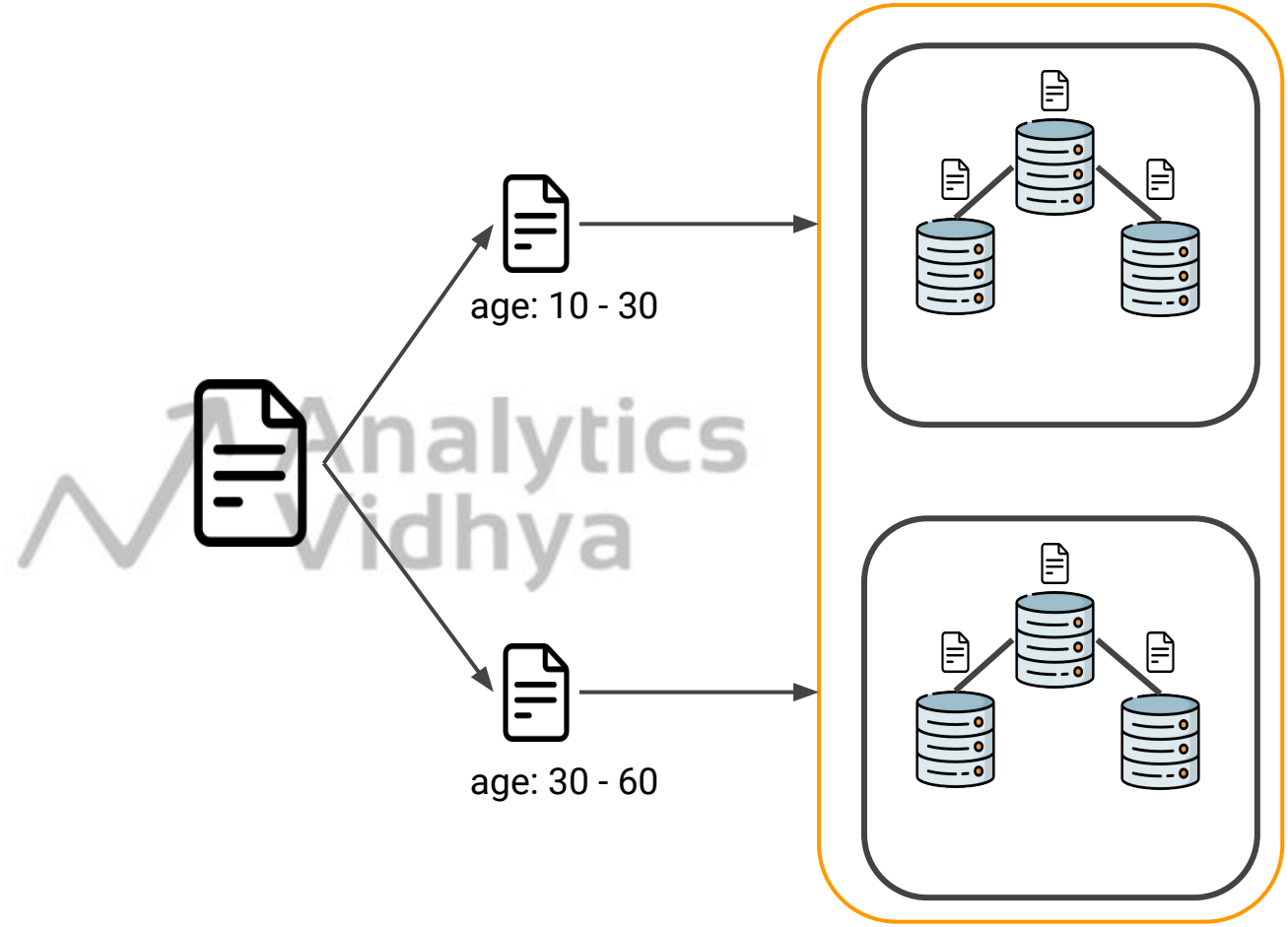
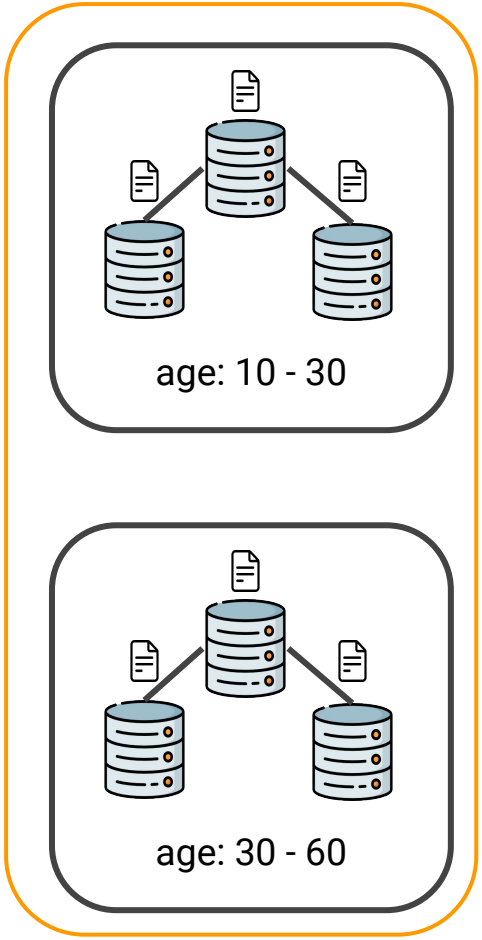
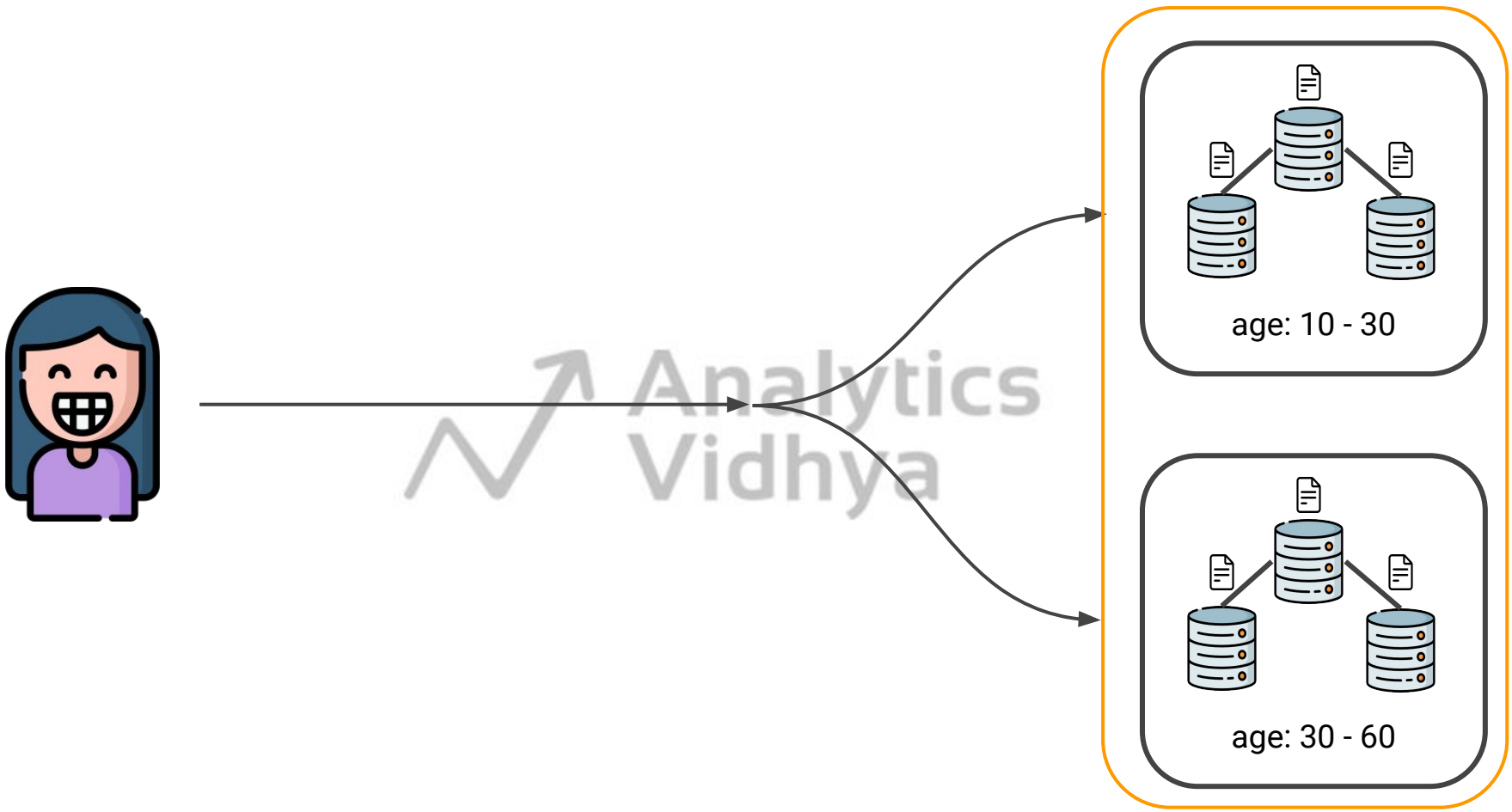
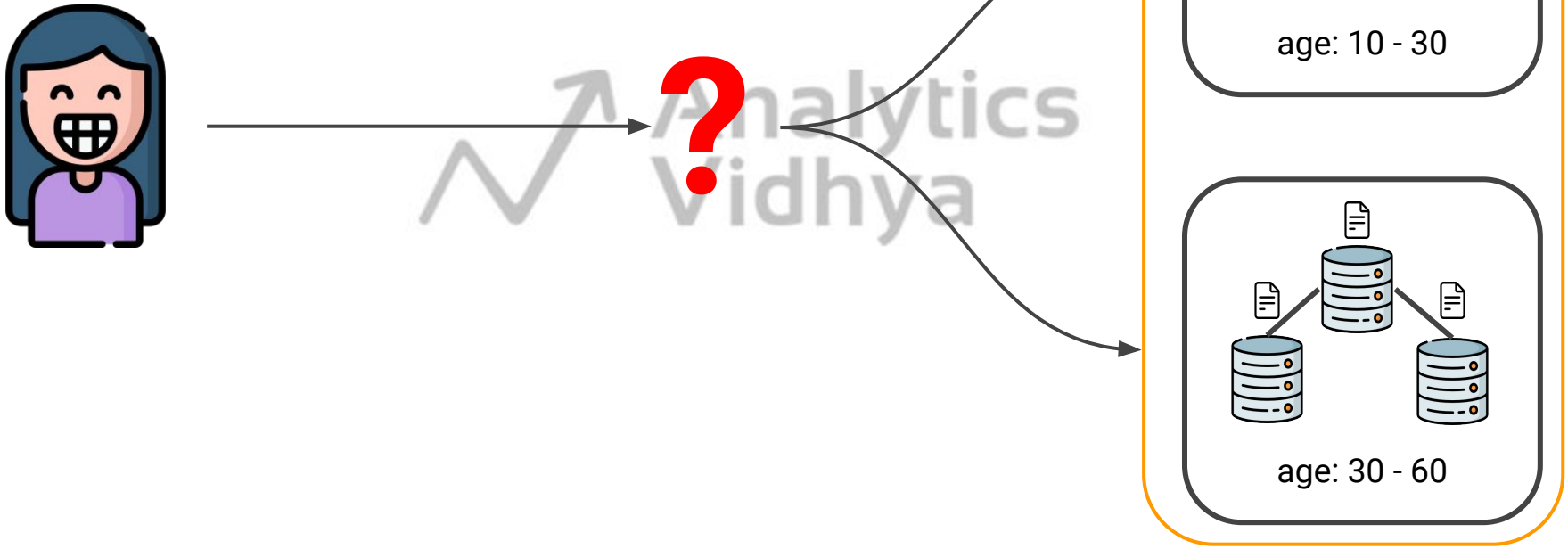


Analytics Vidhya
Analytics Vidhya

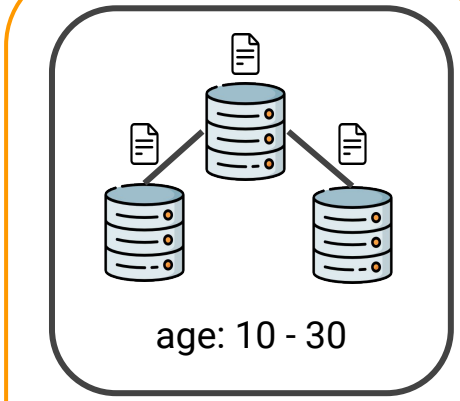


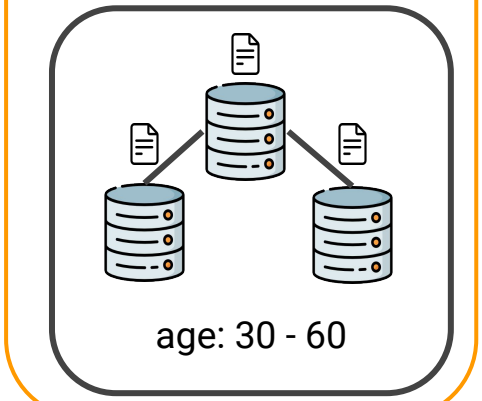
Analytics
Vidhya


age: 10 - 30
age: 30 - 60
Analytics Vidhya
Analytics Vidhya

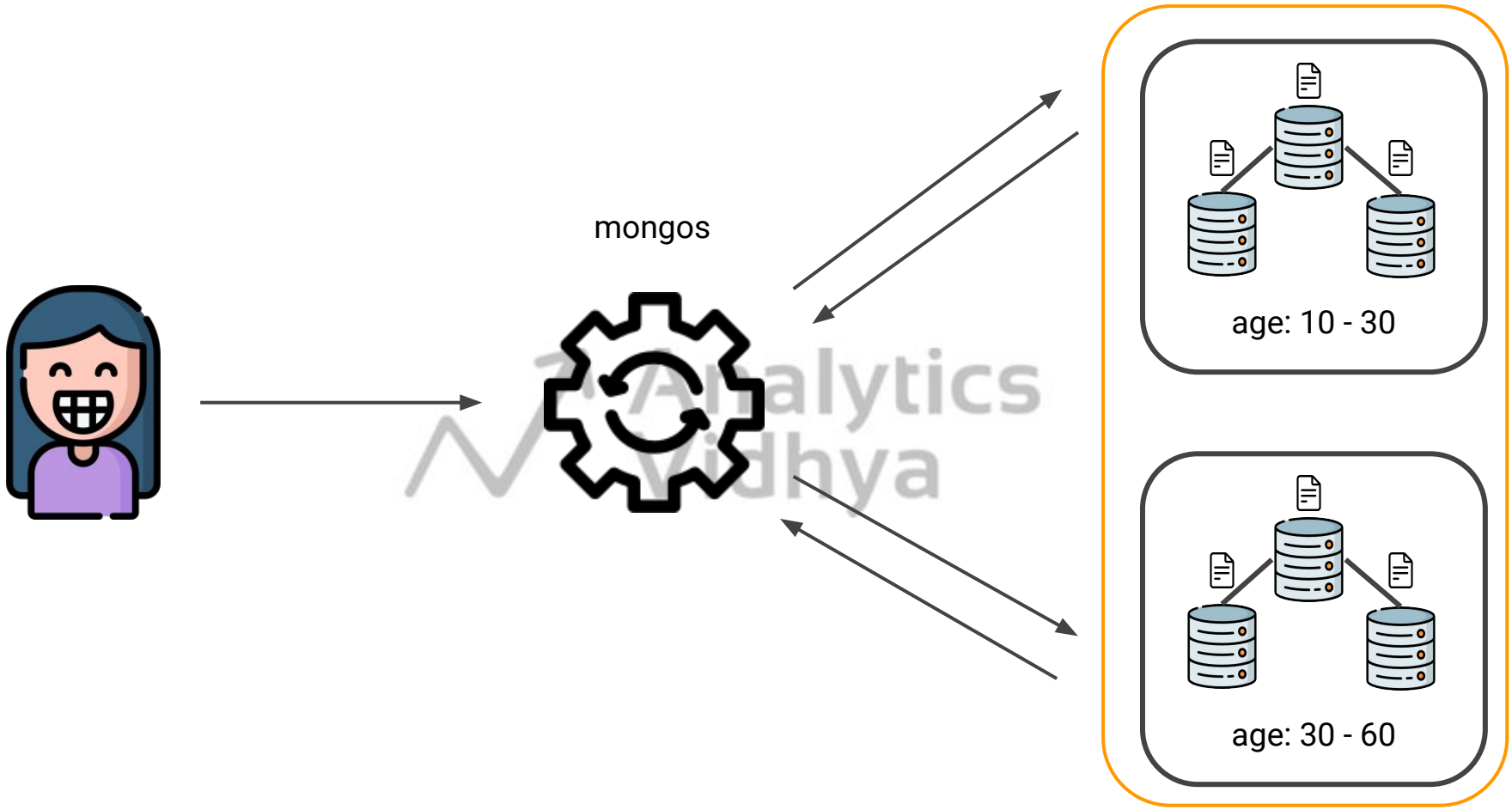

?
age: 10 - 30
age: 30 - 60
Analytics Vidhya
Analytics Vidhya

mongos

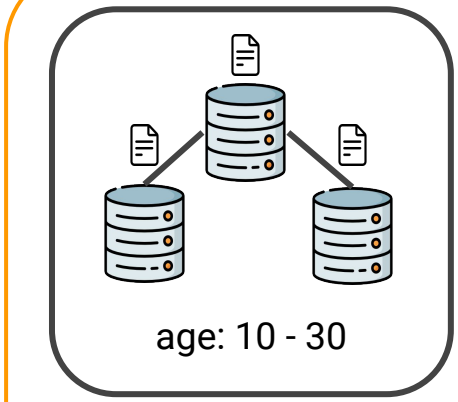


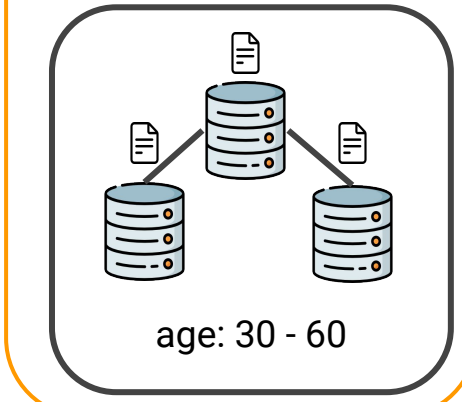


Analytics Vidhya


mongos
age: 10 - 30
age: 30 - 60
Analytics Vidhya

mongos



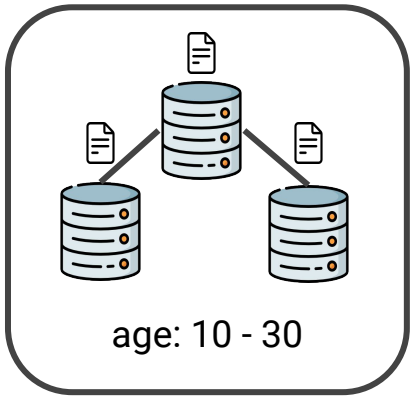


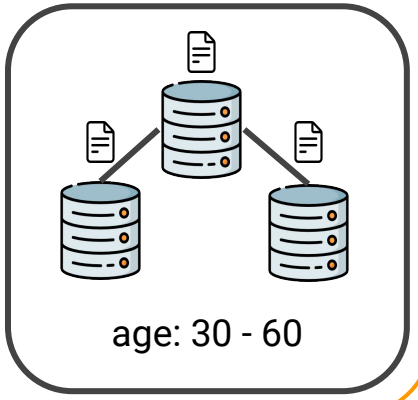
- Query router

Analytics Vidhya

mongos

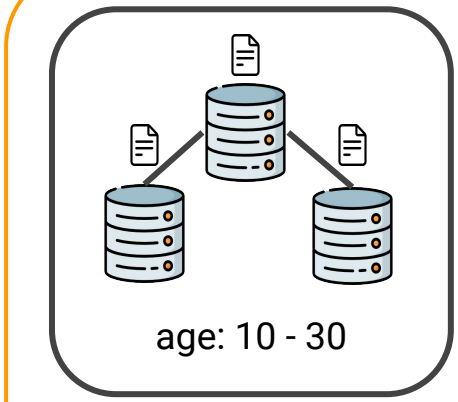
- Query router

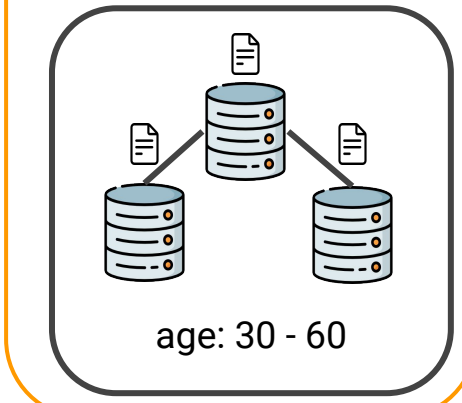




Analytics Vidhya

mongos

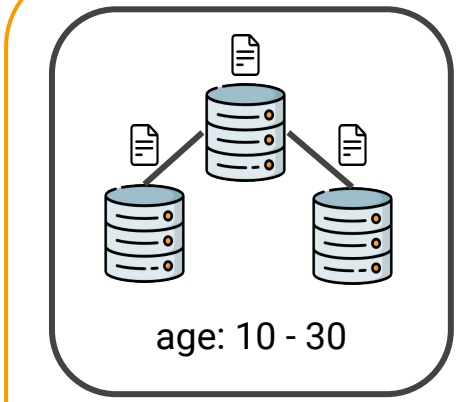


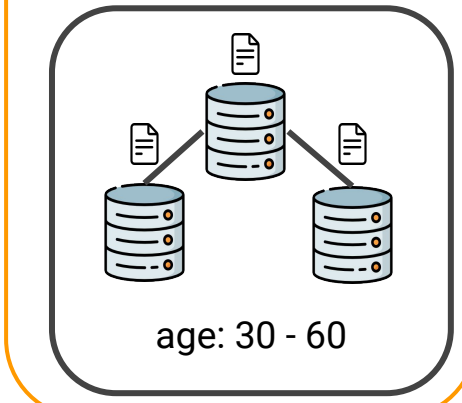


- Query router

Analytics Vidhya

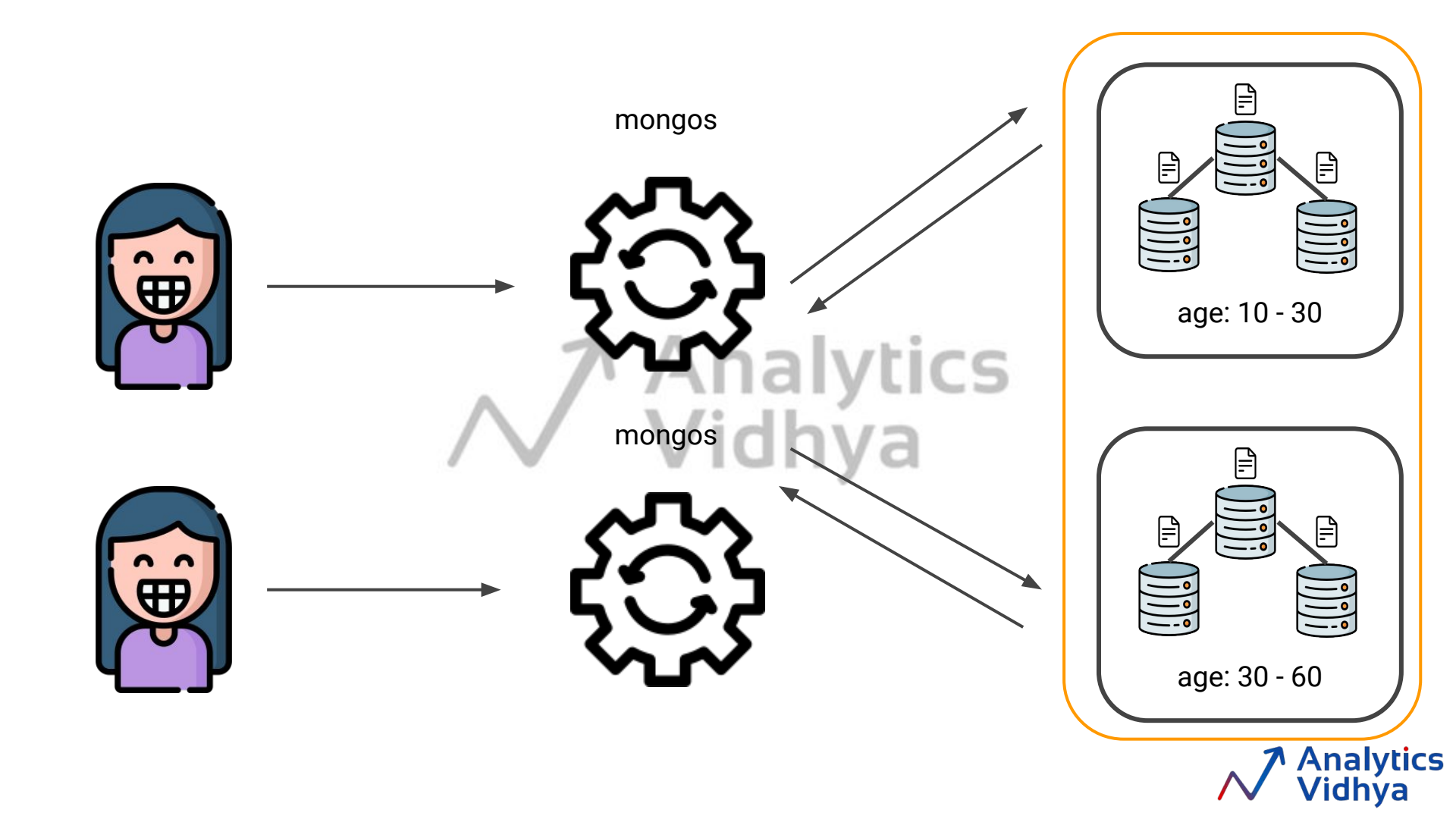
mongos

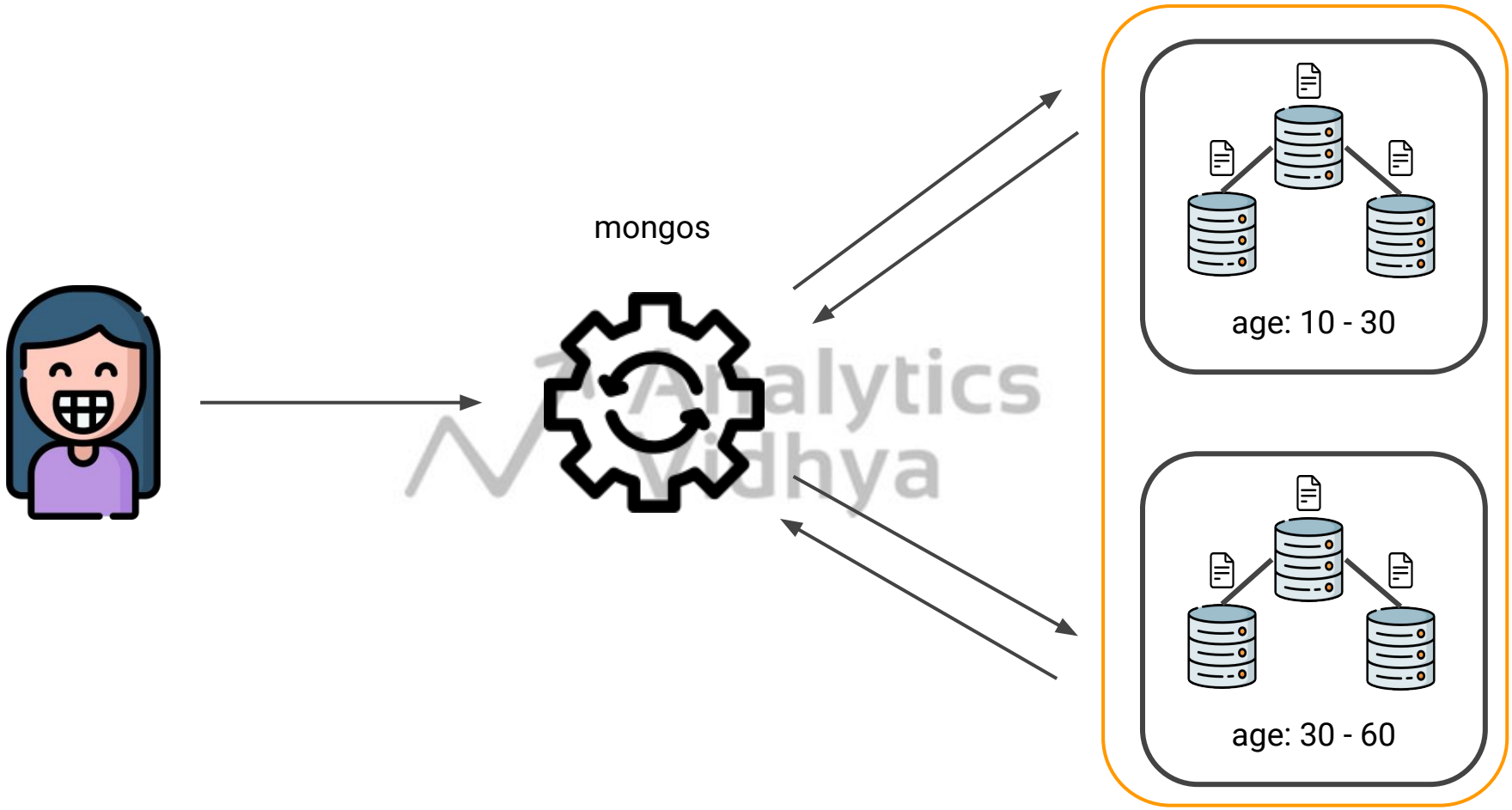


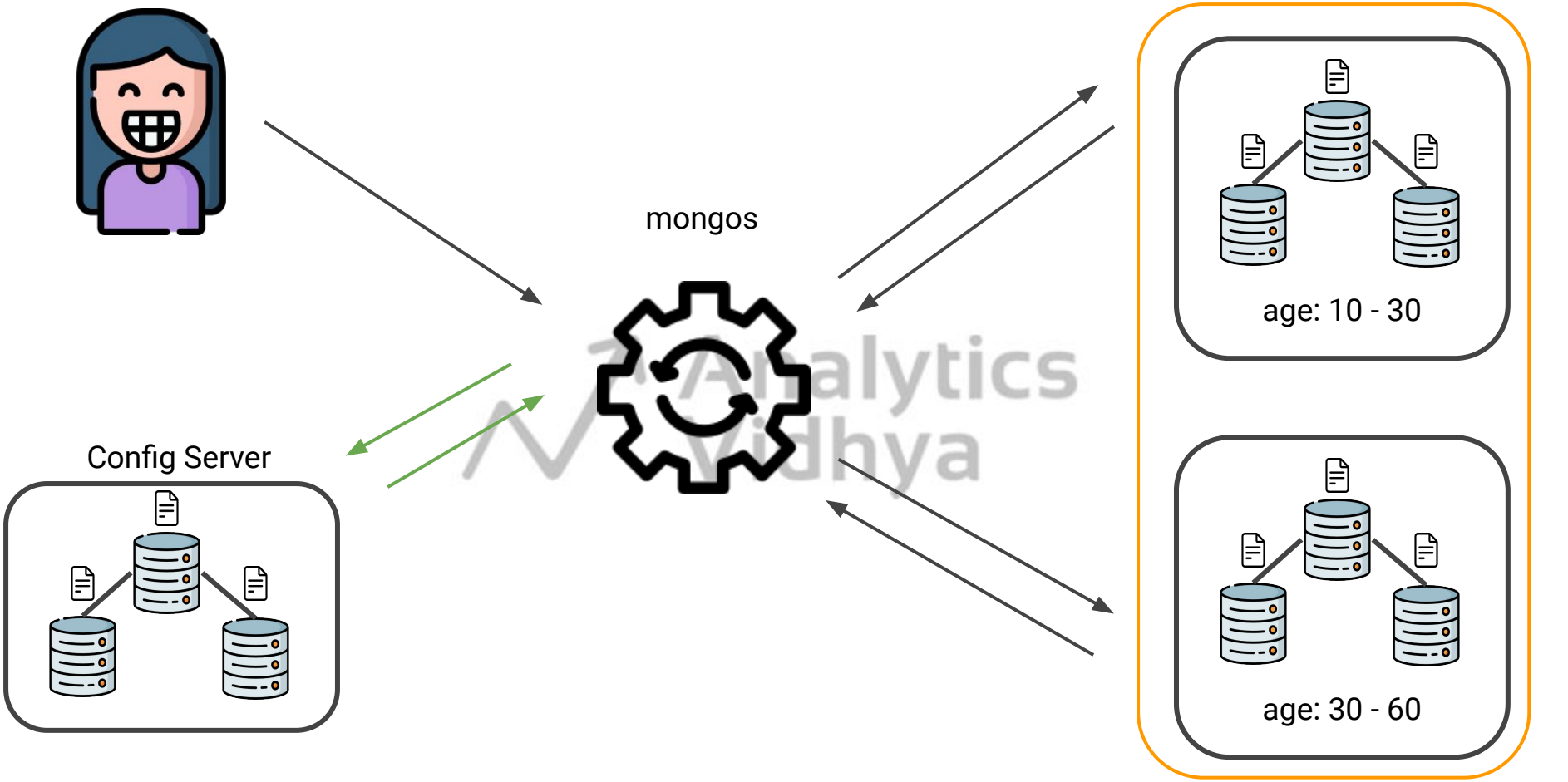


- Query router
- Multiple mongos

Analytics Vidhya

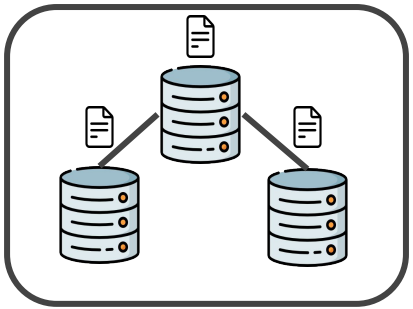

mongos
mongos
age: 10 - 30
age: 30 - 60
Analytics Vidhya
Analytics Vidhya


mongos
age: 10 - 30
age: 30 - 60
Analytics Vidhya

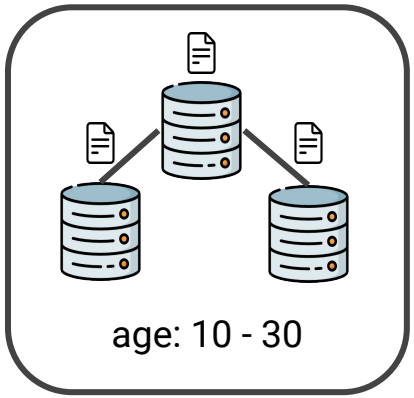

mongos
Config Server
age: 10 - 30
age: 30 - 60
Analytics Vidhya

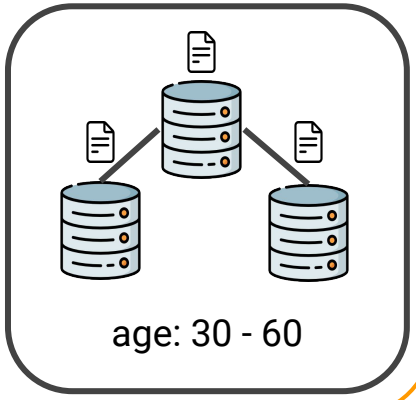
mongos

Config Server

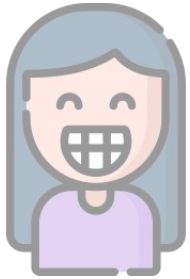


- Meta-data



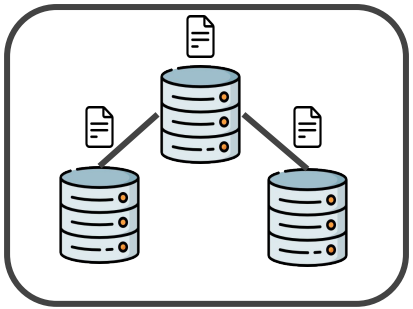


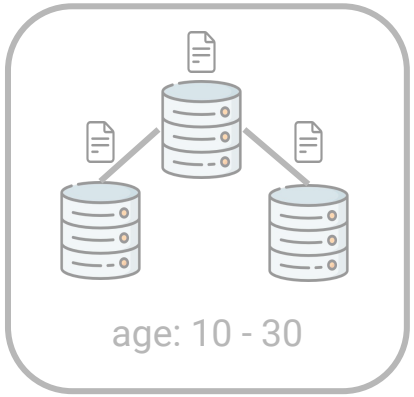
Analytics Vidhya

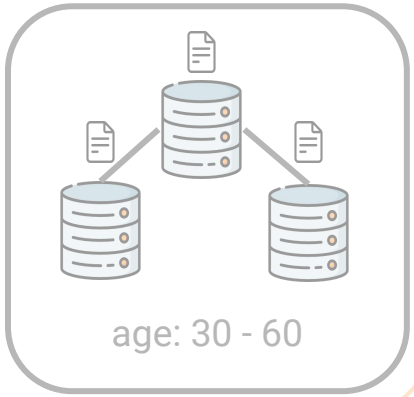


Shard	Data
1	10 - 30
2	25 - 40
3	40 - 55

Config Server







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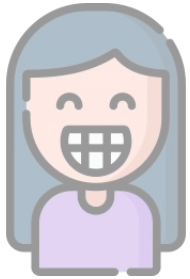
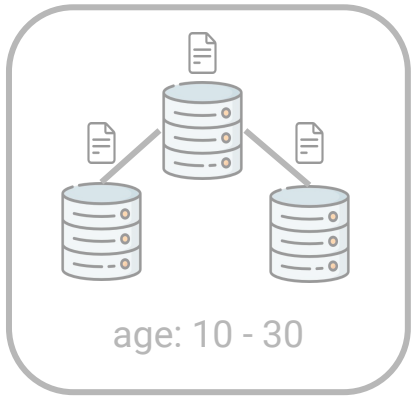
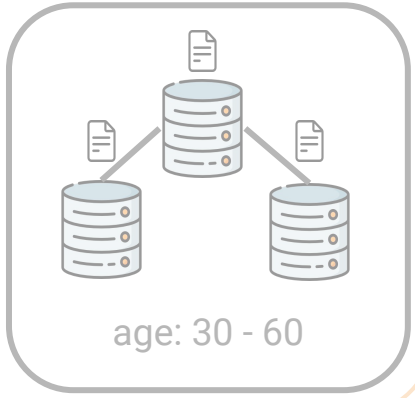
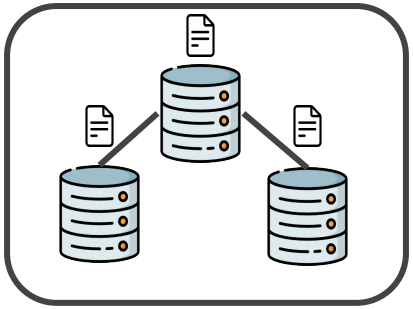




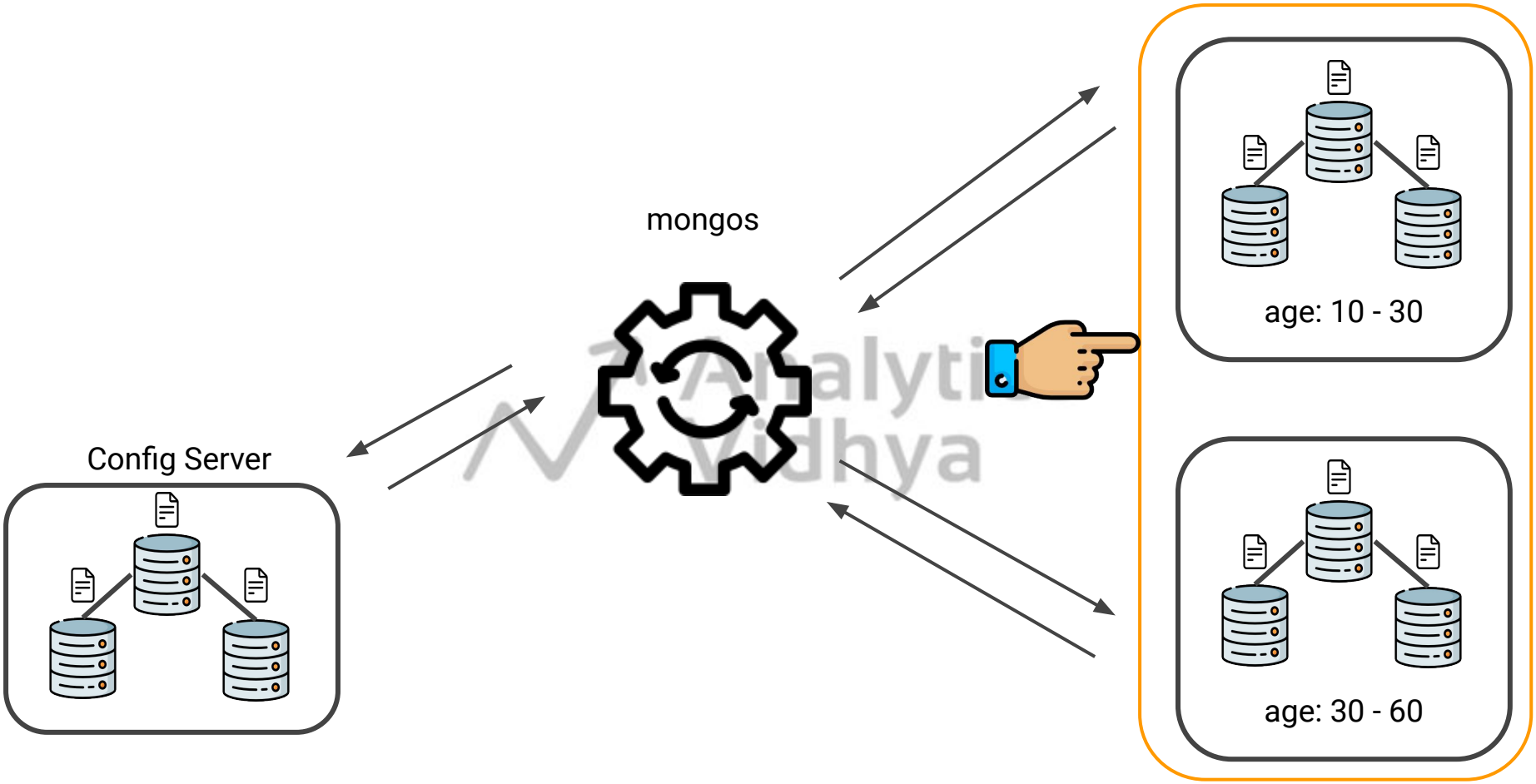


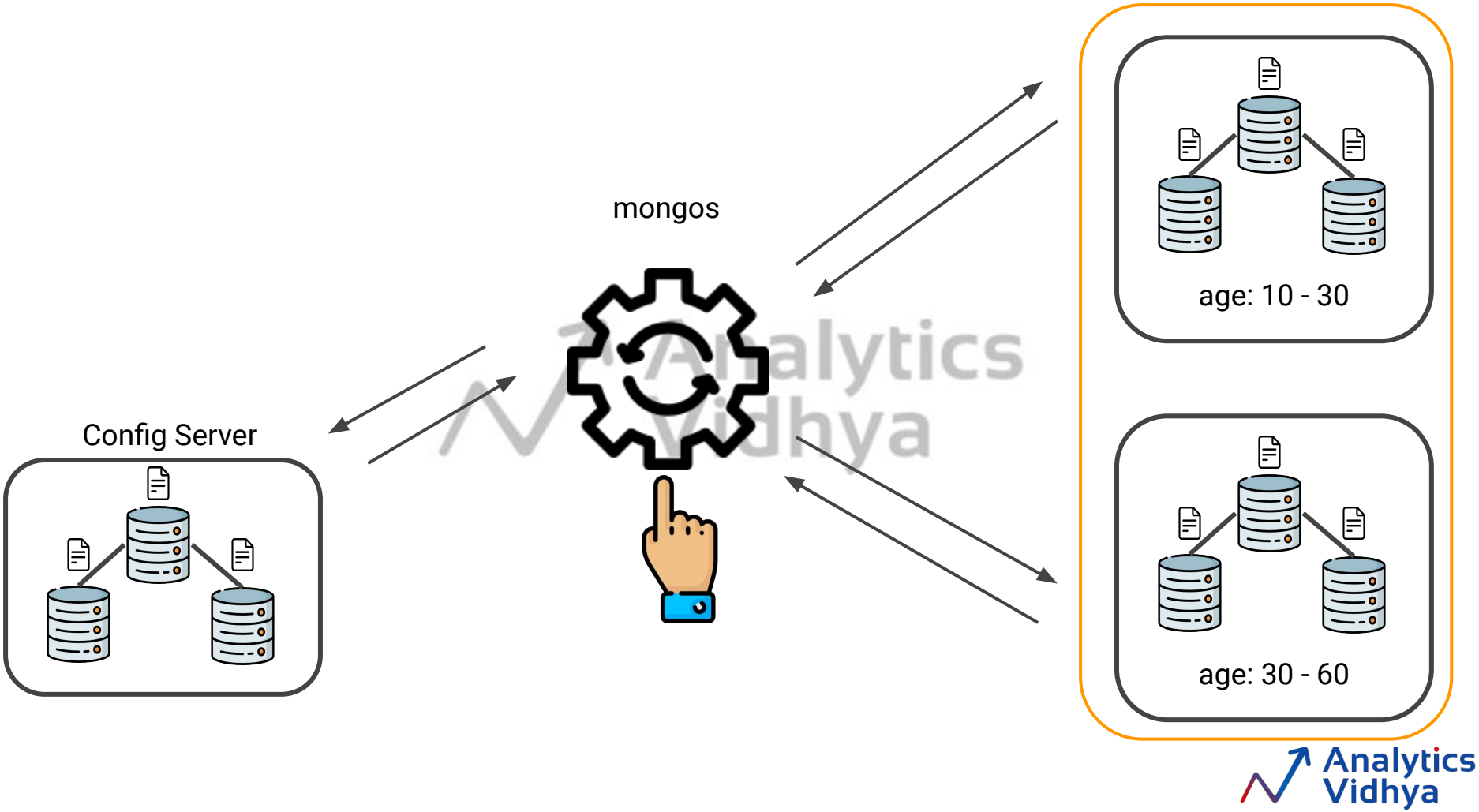
Config Server

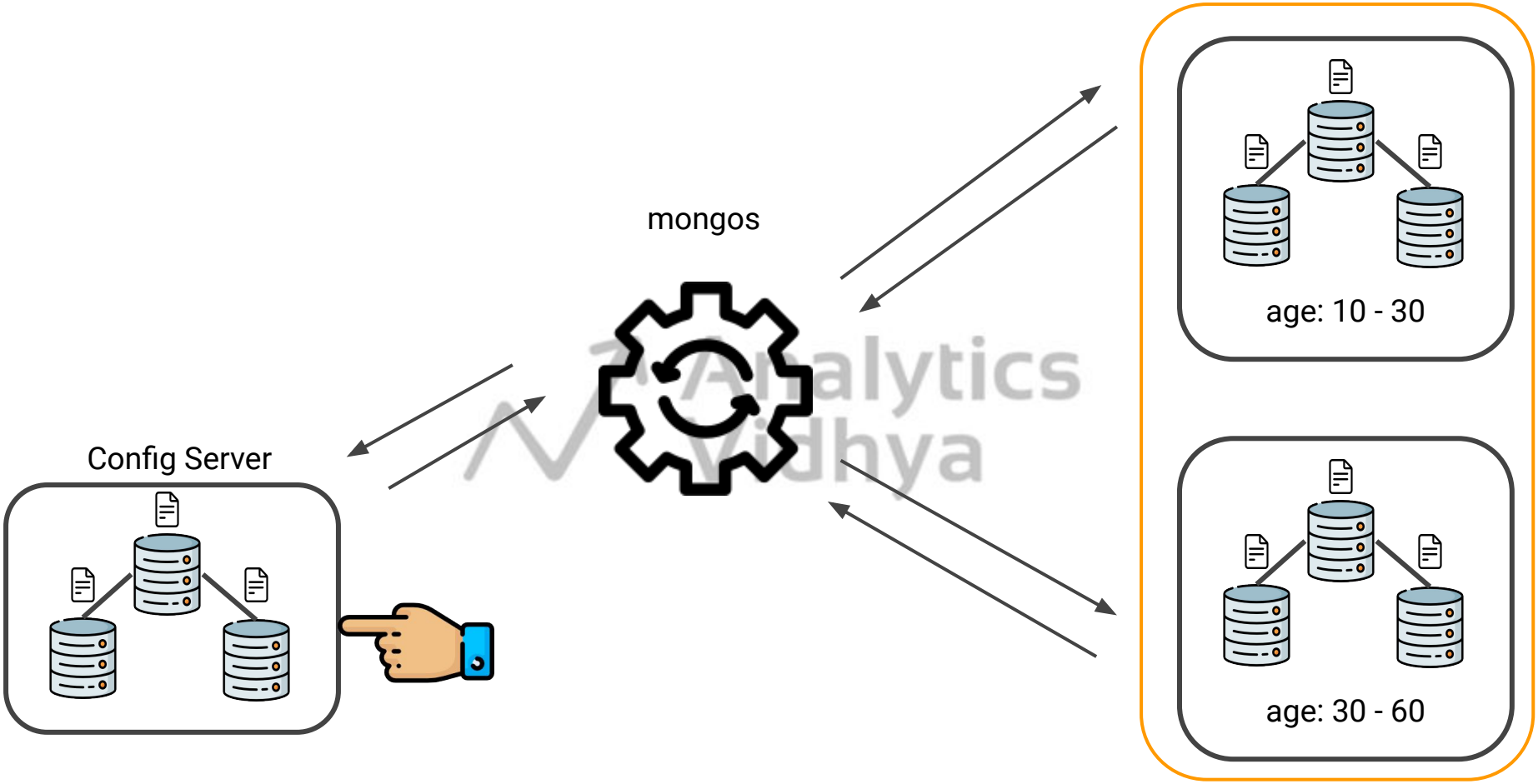


- Meta-data
- Replica set

Analytics Vidhya


mongos
Config Server
age: 10 - 30
age: 30 - 60
Analytics Vidhya


mongos
Config Server
age: 10 - 30
age: 30 - 60
Analytics Vidhya


mongos
Config Server
age: 10 - 30
age: 30 - 60
Analytics Vidhya

Thank You!

Analytics
Vidhya