① We can join maximum of 32 tables in tableau.

② If you add the field SUM(Profit) to the columns shelf, it will create a horizontal axis.

③ If you use a percent difference Quick Table calculation, null will be the first data value.

④ Pie chart can show 2 to 5 categories effectively.

⑤ RANK() function gives positional ranks, allowing ties.

⑥ Data granularity refers to the level of detail for a piece of data, wherever you are looking.

⑦ valid objects in dashboard :-

a) horizontal container   i) workflow

b) vertical container   j) web page

c) text   k) navigation

d) extension   l) download

e) pulse metric   m) add filters

f) data story   n) einstein discovery

g) image

h) blank

⑧ GDP per capita $= \dfrac{sum(GDP)}{sum(population)}$

⑨ incremental refresh → only adds rows that are new since the previous refresh.

full refresh → replaces all the contents in the extract

⑩ Most viewers scan content starting at the top left of the page.

⑪ benefits of data extracts in tableau

a) improved performance

b) ability to use the data offline

c) faster to work with

d) support large data sets

e) supports additional functionality

like counting distinct rows.

⑫ Disaggregating the data

→ Whenever you add a measure to your view, an
aggregation is applied to that measure by
default. This default is controlled by
Aggregate Measures setting in the
Analysis menu.

→ If you decide you want to see all the
marks in the view at the most detailed
level of granularity, you can disaggregate
the view.

→ Disaggregating the data means that tableau will display a separate mark for every data value in every row of your data source.

⑬ By default, tableau creates a live connection when you connect to the data source.

⑭ Default path for all supporting files, data sources, icons, logs, etc is in
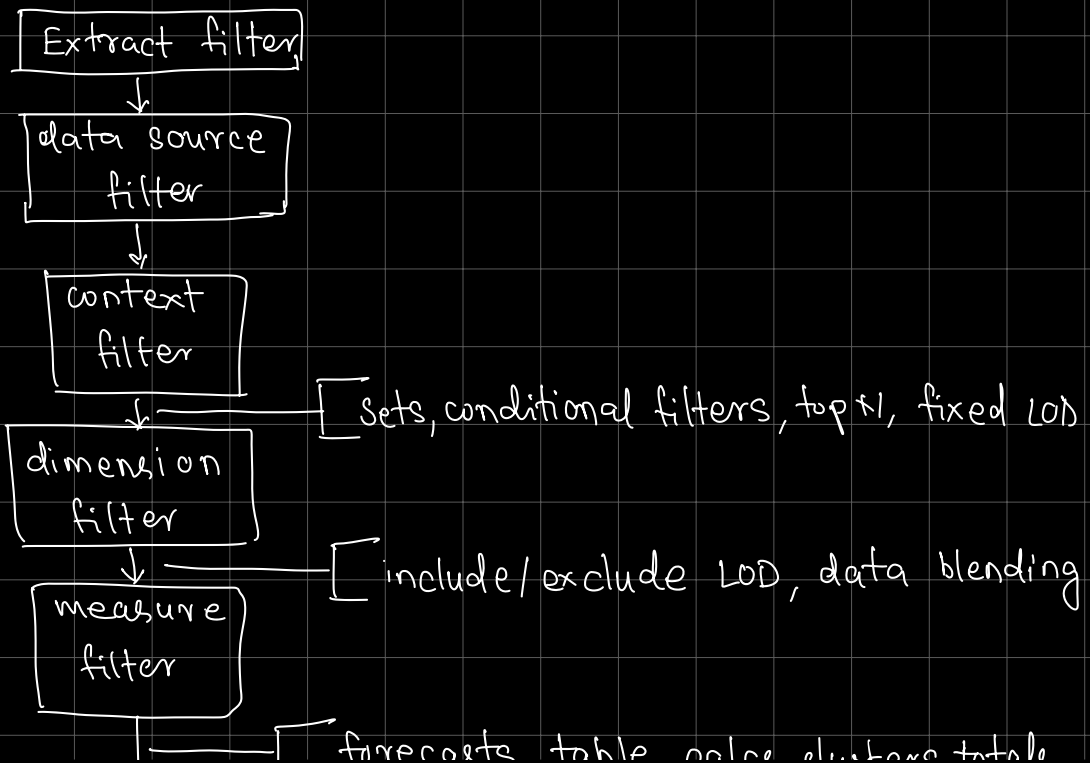
Documents → My tableau repository

⑮

```
┌────────────────┐
│ Extract filter │
└────────────────┘
        ↓
┌────────────────┐
│  data source   │
│     filter     │
└────────────────┘
        ↓
┌────────────┐
│  context   │
│   filter   │
└────────────┘
        ↓────────────[ sets, conditional filters, top N, fixed LOD
┌─────────────┐
│  dimension  │
│   filter    │
└─────────────┘
        ↓────────────[ include/exclude LOD, data blending
┌─────────────┐
│  measure    │
│   filter    │
└─────────────┘
        │────────────[ forecasts table calcs clusters totals
```

```
table
calc
filter
```
⌐ trend lines, reference lines

⑯ The highlighting action can be disabled for the entire workbook.

⑰ It is possible to add a field to more than one hierarchy.

→ duplicate the field
→ add these to separate fields

⑱ Its not possible to add both a dashboard & a worksheet at the same time to a story point in tableau.

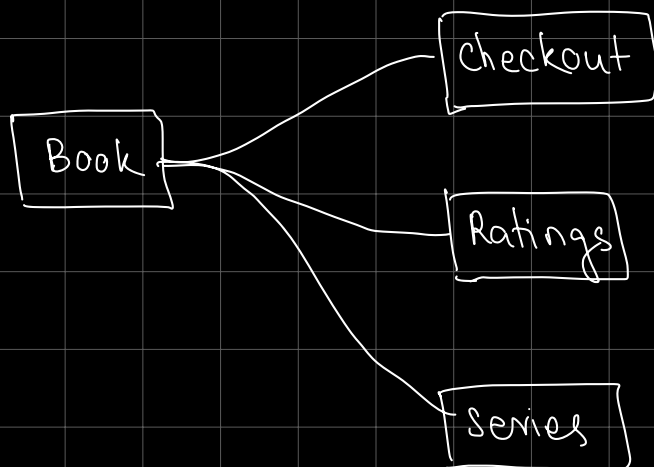⑲ Dimensions containing Boolean and String values cannot be continuous

⑳ Tableau auto-generates

1 Dimension → measure names

4 Measures ⟶ latitude, longitude, number of records, measure values

(21) We get different color palette options if we drop a discrete field on "Color" in the marks card compared to if we drop a continuous field on Color.

(22) Relationship are represented by noodles and operate at the logical layer.

```
        ┌──────────┐
        │ Checkout │
        └──────────┘
┌──────┐╱
│ Book │───────┌─────────┐
└──────┘╲      │ Ratings │
         ╲     └─────────┘
          ╲
           ┌────────┐
           │ Series │
           └────────┘
```

Joins are represented by venn diagram

and operate at physical layer.

| Book | ⋈ | Award |

| ⋈ | Info |