1. Number function:
2. **Click Analyses on top tab -> Create Calculated Field -> Enter the name you want for the calculated field -> Type the calculation**
3. **Calculation formula - <mark>MIN([Sales])</mark>**
4. **Drag Category to cols -> and calc field to rows**

5. Calculate the commission received for each order
6. **Drag order ID to rows ->Add all members-> Drag region to filter -> Select East**
7. **Click Analyses on top tab -> Create Calculated Field -> Enter the name "commission"-> Type the calculation 0.2 * sales**
8. **Drag sales to measures "abc" -> Drag commission to measures**

9. String Function:

10. **Calculation formula - <mark>RIGHT([Order ID],6)</mark>**

11. **Drag order ID to columns -> drag calc field to columns -> drag sales to rows**

12. Logical Function

13. Find which categories are losing money in each state

14. **Drag state to rows -> drag category to rows -> Drag sales to columns**

15. **Drag calc field <mark>SUM([Profit])>0</mark> -> color**

16. Aggregate Function

17. Calculate the category-wise margin of aggregated profit over aggregated sales for every segment wrt region.

18. If calc field was just sales/profit - it will do sales/profit at a row level and then add up all the fraction which will be weird. Which is why we have to do sum(sales)/sum(profit) - this will sum up in whatever level is present in the sheet'

19. **<mark>Create calculated field "Margin" - IIF(SUM([Sales])!=0, SUM([Profit])/SUM([Sales]) ,0)</mark>**

20. **Drag segment to columns -> Drag region to row -> Drag margin to rows -> Drag category to color**

21. Table Calculation

22. Explain how table calculations work with cumulative sum

23. **Calculation formula - <mark>RUNNING_SUM(SUM([Profit]))</mark>** - Call it running profit

24. **Drag region to columns -> Drag subcategory to rows -> Drag sales to measures -> Drag running total to measure**

25. See how theres a triangle next to any table calculations

26. **Currently the table calculation is done across a row. You can change the direction by clicking Running Total under measure values (left tab) -> The dropdown will have "edit table calculations" -> Click Table (Down)**

27. Level of Detail

28. Fixed LOD

29. find percentage sales contribution of each sub category to total sales of each product category

30. In the same view, how can we get sales of category and subcategory?

31. **Create calc field -> name it "fixed category sales" -> Calculation formula-<mark>{ FIXED [Category]:SUM([Sales])}</mark>**

32. **Drag category to rows -> Drag subcategory to rows -> drag sales to measures (this is a subcategory sales) -> drag fixed category sales to measures**

33. **Create calculated field "percentage contribution" -> sum(sales)/sum(fixed category sales) -> Drag percentage contribution to measures -> perc contribution is all 0**

34. **Format percentage contribution -> Right click on percentage contribution in the measures tab -> click format -> in the left tab click drop down with number -> click percentage**