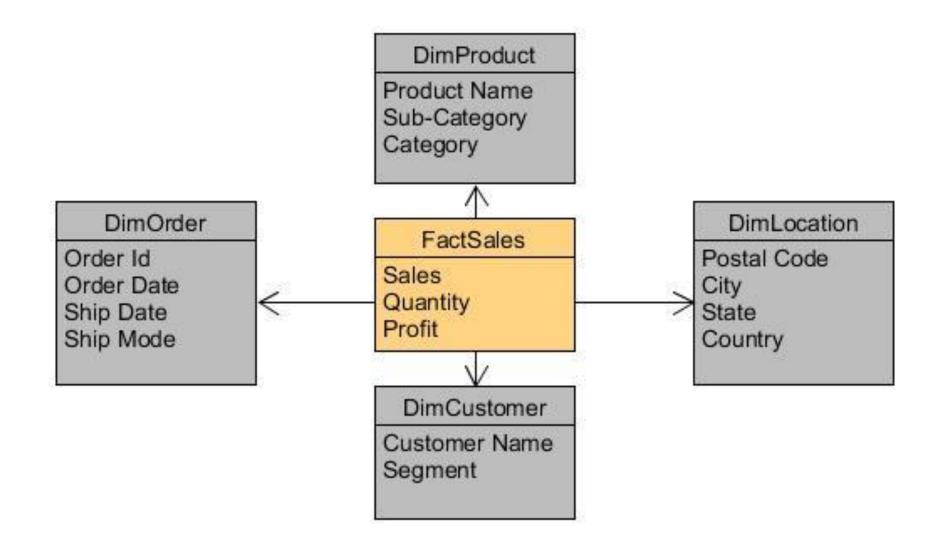
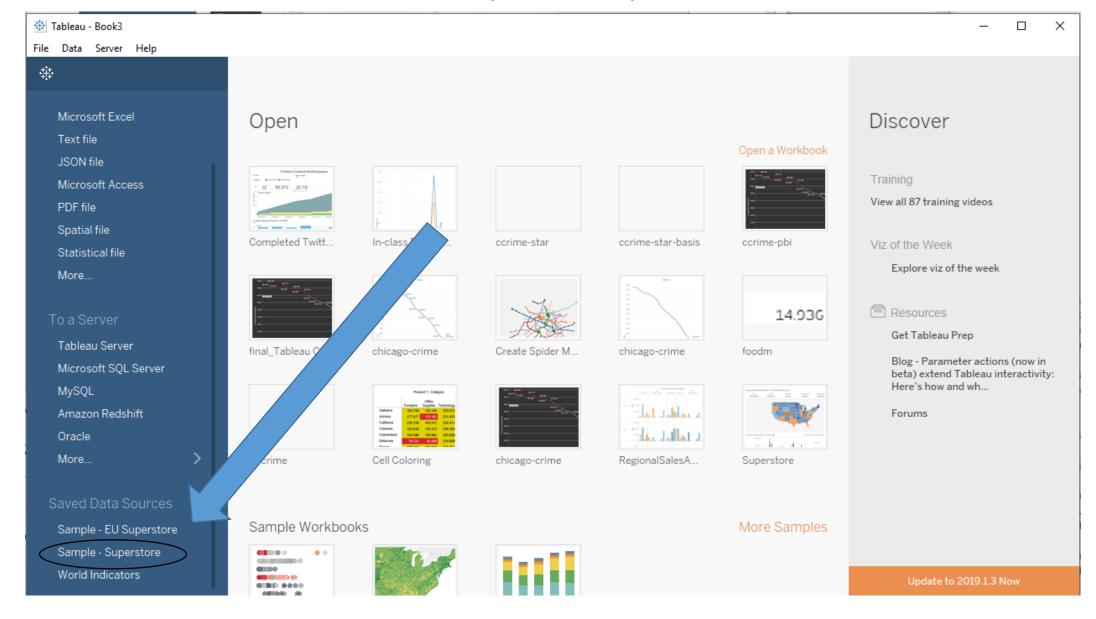
Tableau - Exercises

Prof. Dr. Ingo Claßen

Multidimensional Data Model (Data Cube)



Saved Data Sources: Sample - Superstore



Highlight Table

	Segment				
Category	Consumer	Corporate	Home Office		
Furniture	\$391.049	\$229.020	\$121.931		
Office Supplies	\$363.952	\$230.676	\$124.418		
Technology	\$406.400	\$246.450	\$183.304		



Table

Measure Names and Measure Values

		Number of				
Category	Discount	Records	Profit	Profit Ratio	Quantity	Sales
Furniture	17%	2,121	\$18,451	2%	8,028	\$742,000
Office Supplies	16%	6,026	\$122,491	17%	22,906	\$719,047
Technology	13%	1,847	\$145,455	17%	6,939	\$836,154

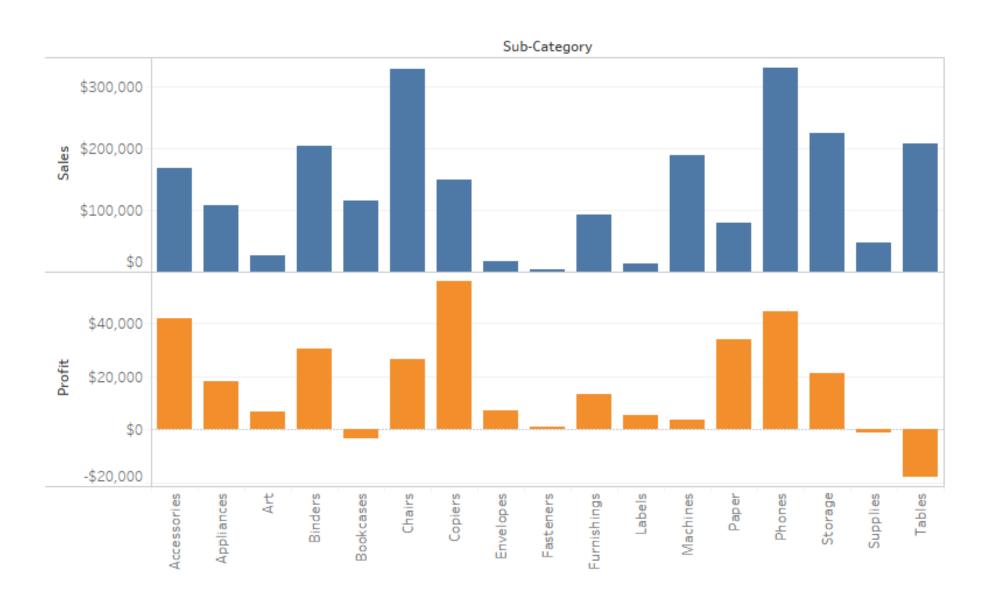
Bubble Chart



Tree Map

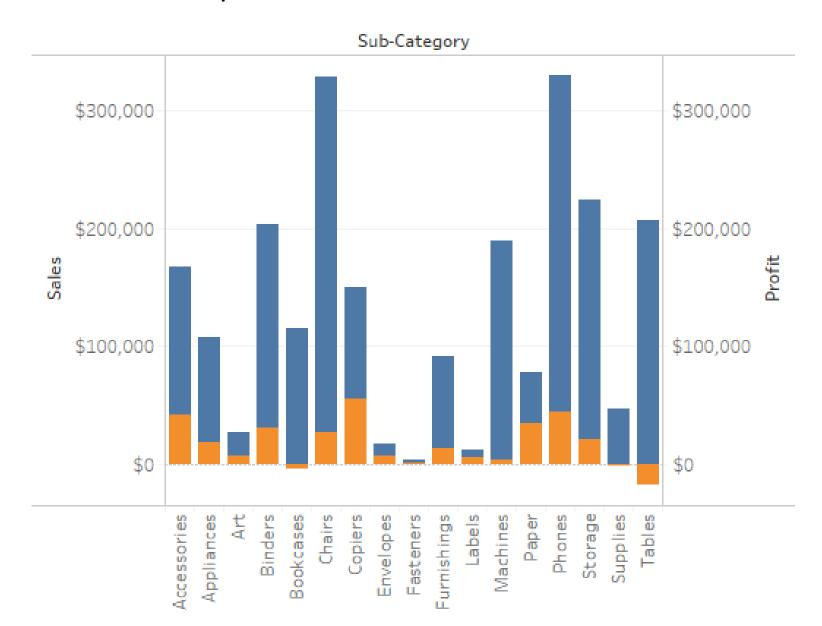
Technology Consumer \$406.400	Technology Corporate \$246.450	Office Supplies Consumer \$363.952	
	Technology Home Office \$183.304		
Furniture Consumer \$391.049	Furniture Corporate \$229.020	Office Supplies Corporate \$230.676	
	Furniture Home Office	Office Supplies Home Office	

Two Barcharts in one report

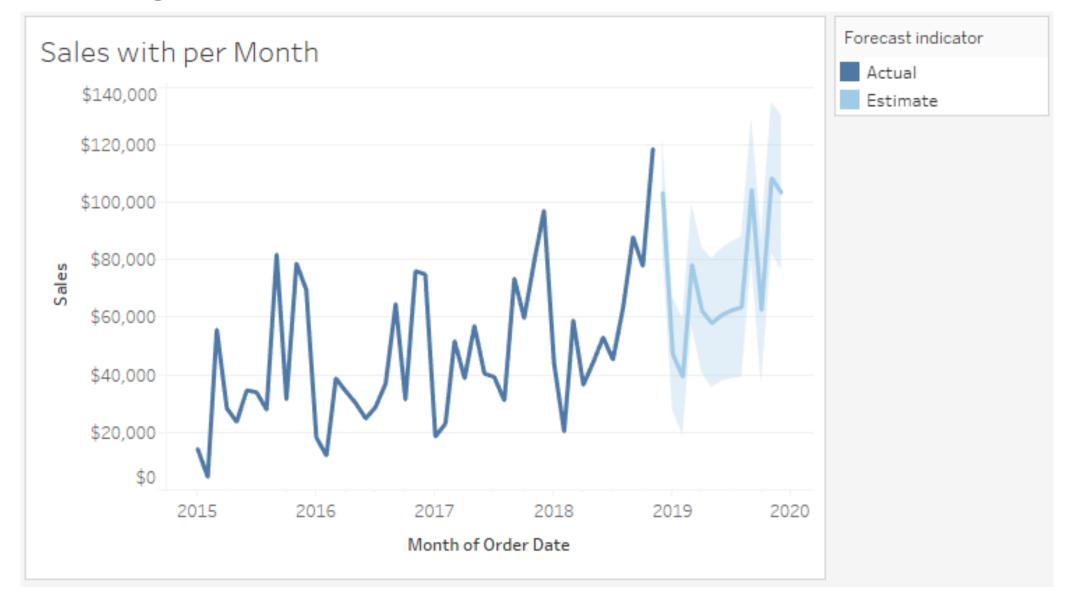


Two Barcharts in one report

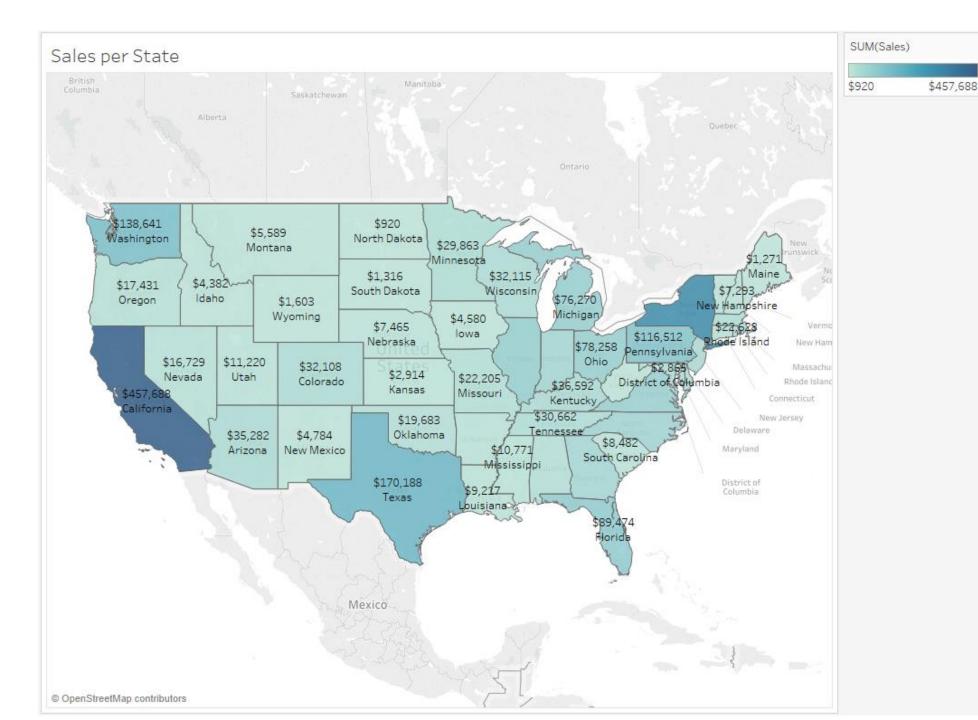
- Dual axes
- Synchronize Axis



Line Diagram – with Forcast



Maps



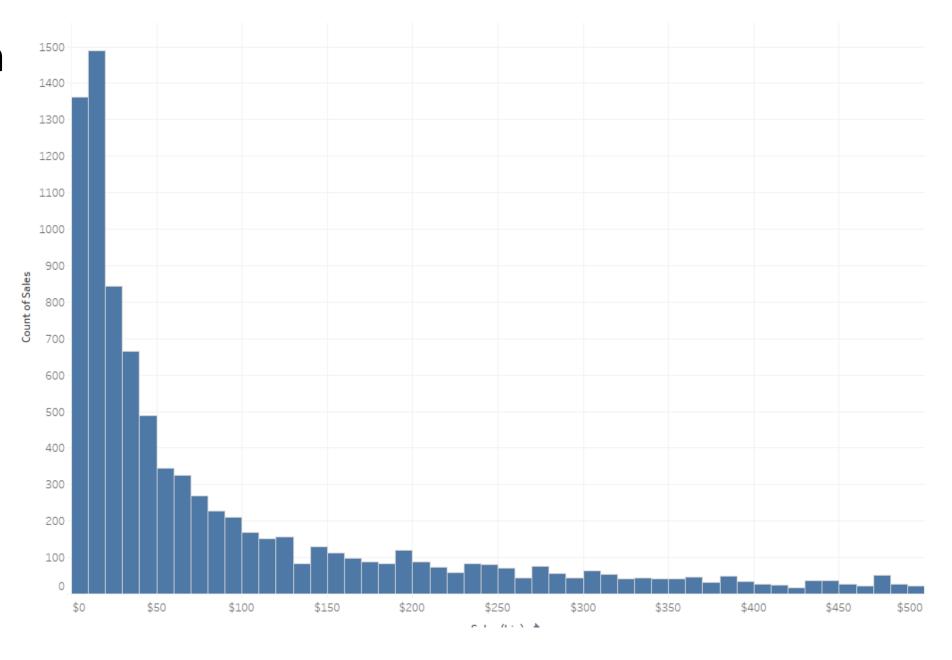
Scatter Plots

Per Category on state level



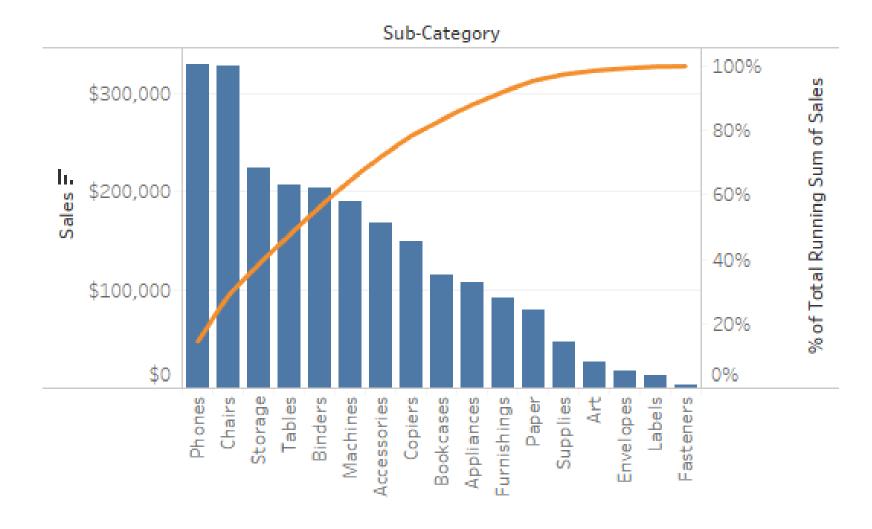
Histogram

- Bin size 10
- Edit axis fixed end 500

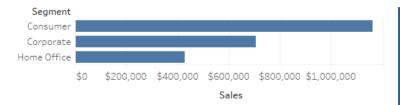


Combined Bar/Line Chart

- Secondary table calculation
- Dual axes



Highlight Action

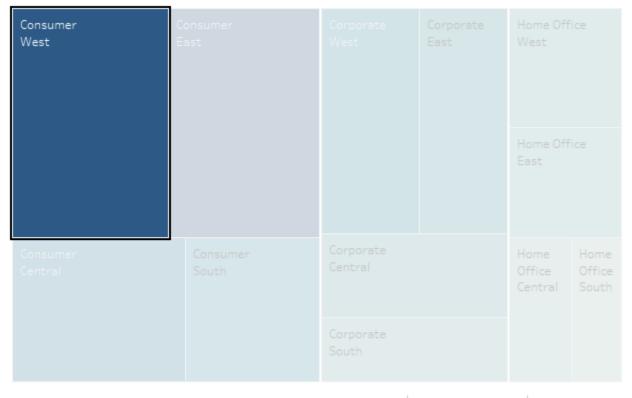






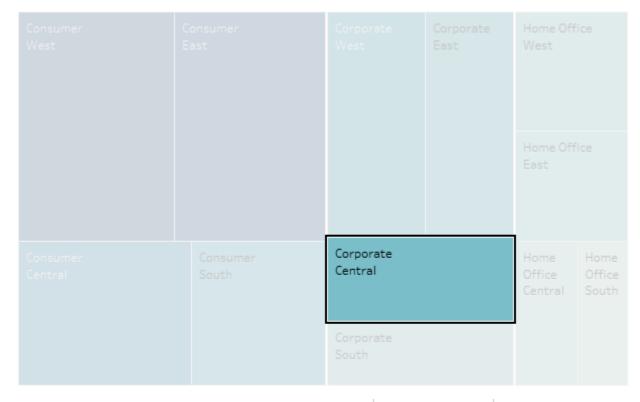


Filter Action 1



Customer Name	Segment	Region	Year of Ord	Profit	Sales	
Aaron Bergman	Consumer	West	2015	\$15	\$310	^
Adam Shillingsburg	Consumer	West	2015	\$4	\$14	
Adrian Barton	Consumer	West	2017	-\$204	\$393	
			2018	\$56	\$937	
Alan Barnes	Consumer	West	2016	\$80	\$660	
			2018	\$53	\$134	
Alan Hwang	Consumer	West	2015	\$87	\$606	
			2016	\$35	\$80	v

Filter Action 2



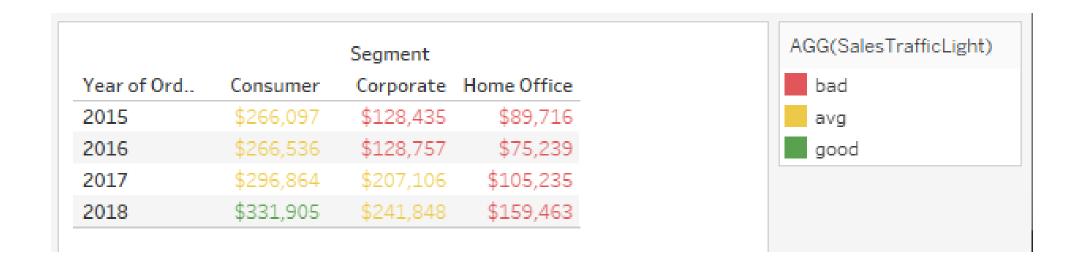
Segment	Region	Year of Ord	Profit	Sales	
Corporate	Central	2018	-\$251	\$1,476	^
Corporate	Central	2017	\$12	\$217	
Corporate	Central	2018	-\$26	\$16	
Corporate	Central	2017	\$269	\$2,764	
		2018	\$23	\$116	
ell Corporate	Central	2016	-\$3	\$180	
		2018	\$20	\$85	
Corporate	Central	2015	\$8	\$15	v
	Corporate Corporate Corporate Corporate Corporate	Corporate Central Corporate Central Corporate Central Corporate Central Corporate Central	Corporate Central 2018	Corporate Central 2018 -\$251 Corporate Central 2017 \$12 Corporate Central 2018 -\$26 Corporate Central 2017 \$269 2018 \$23 Corporate Central 2016 -\$3 2018 \$20 \$20	Corporate Central 2018 -\$251 \$1,476 Corporate Central 2017 \$12 \$217 Corporate Central 2018 -\$26 \$16 Corporate Central 2017 \$269 \$2,764 2018 \$23 \$116 Corporate Central 2016 -\$3 \$180 2018 \$20 \$85

Create Calculated Field SalesTrafficLight

```
IF SUM([Sales]) < 200000 THEN
 'bad'
ELSEIF sum([Sales]) < 300000 THEN
 'avg'
ELSE
 'good'
END
```

Use Calculated Field for Coloring

- Adapt colors
- Sort Legend



Calculated Fields — LOD - SalesPerCust

• { INCLUDE [Customer Name] : SUM([Sales]) }

