Tableau Creator Study Group Guide

Why should you form a study group?

+ Study Group benefits include:
  - Accountability
  - Proven to learn skills faster
  - Learn new perspectives
  - Practice for the “real world”

Source:
- Angels Institute - Benefits of Group Study
- SpeedyPrep - 7 Benefits of Study Groups

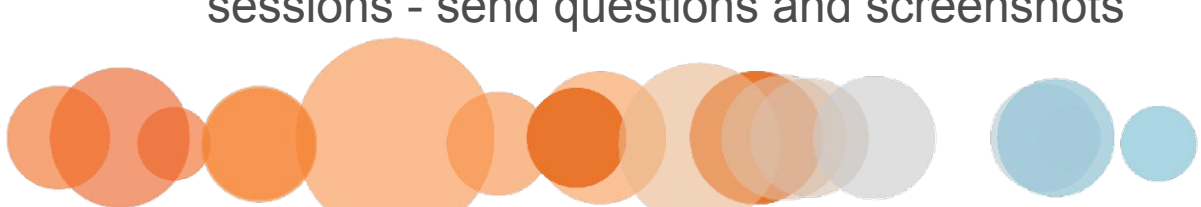
Study Group Format Best Practices

+ **Required Materials:**
  - Tableau Starter Kits
  - Tableau Data Literacy eLearning
  - Tableau Blueprint Assessment
  - **BOOKMARK THESE LINKS FOR EASY ACCESS!**
  - Tableau Desktop Key

+ **Recommended time: 12 weeks**

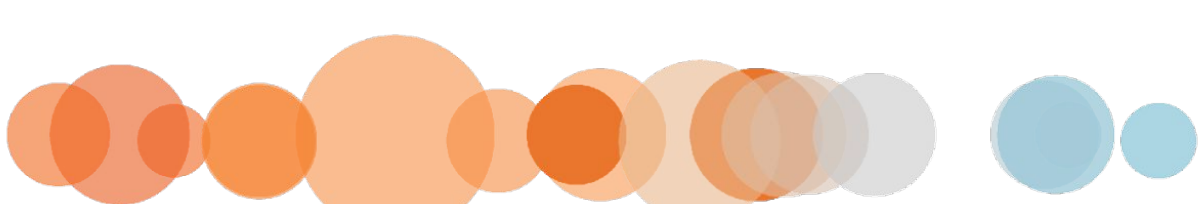
+ **Group size of 5-10**
  - Stick to a small/medium sized group so that all members can contribute
  - Use Teams to communicate between study sessions - send questions and screenshots

+ **Meeting Agenda**
  - Keep each meeting to 1-2 hours
    - Be cognizant that this is *in addition* to participants completing each week's **Online** content on their own during the week
  - Use the time to work through questions related to that week's content



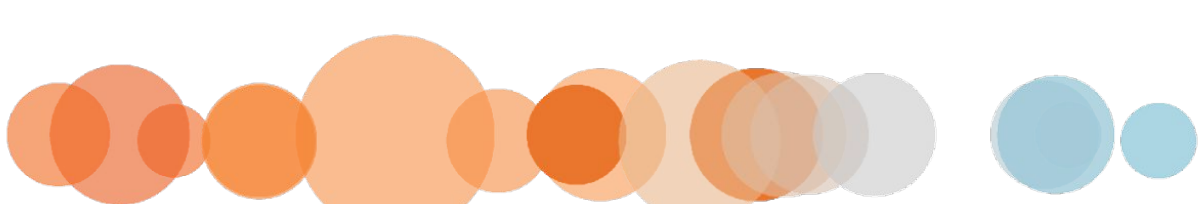
Syllabus

- Section 1: Orient Yourself
- Section 2: Visual Analytics
- Section 3: Work with Data
- Section 4: Building Vizzes
- Section 5: Dashboards
- Section 6: Calculations
- Section 7: Get Hands On
- Section 8: Go Deeper
- Section 9: Data Literacy
- Section 10: Blueprint



Section 1: Orient Yourself

1.1	Getting Started
1.2	Create an account on Tableau.com
1.3	Join the Tableau Newbie Group in the community
1.4	Explore the Tableau Public Viz of the Day Gallery
1.5	Explore Tableau Use Cases with Customer Stories
1.6	Download Tableau Desktop
1.7	The Tableau Workspace
1.8	Follow the Get Started Tutorial



Section 2: Visual Analytics

2.1	Hans Rosling's TED Talk
2.2	Get Inspired with an Iron Viz Champion Dashboard
2.3	Visual Best Practices
2.4	Visual Analytics Best Practices
2.5	Which Chart or Graph is Right for You
2.6	Why the Time-Tested Science of Data Visualization Is So Powerful

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Section 3: Work with Data

3.1	Open Tableau and Connect to Data
3.2	Getting Started with Data
3.3	Try a Makeover Monday
3.4	Preparing Excel Files for Analysis
3.5	Managing Metadata
3.6	Integrate your Data
3.7	How to Dive Deeper into Your Survey Data
3.8	Find a fun data set from Wikipedia

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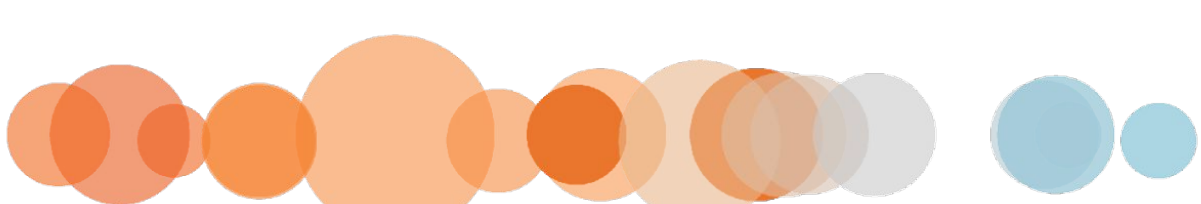
Section 4: Building Vizzes (Week 1)

4.1	The Basics
4.2	Understanding Pill Types
4.3	Drill Down and Hierarchies
4.4	Sorting
4.5	Grouping
4.6	Interactive Filters
4.7	Ask a question at a Live Online Training
4.8	Tooltips
4.9	Combination Charts



Section 4: Building Vizzes (Week 2)

4.10	Filtering
4.11	Measure Names and Measure Values Explained
4.12	Maps in Tableau
4.13	Bullet Graphs
4.14	Create Sets for Top N and Others
4.15	Visualizing Time: Beyond the Line Chart
4.16	If You Must Use Text Tables Follow These 5 Design Tips
4.17	Aggregation, Granularity, and Ratio Calculations
4.18	Creating Filled Maps with Pie Charts
4.19	Explore the Community Workbook Library

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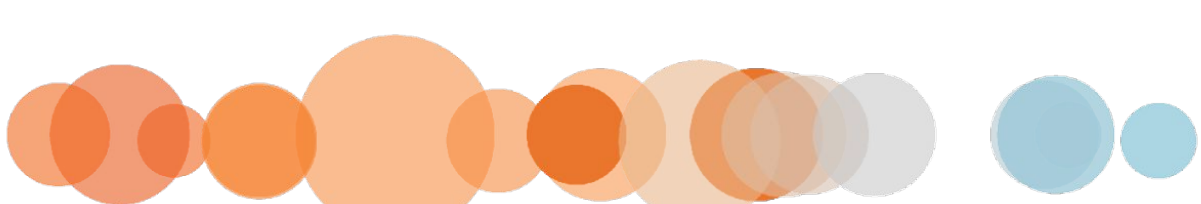
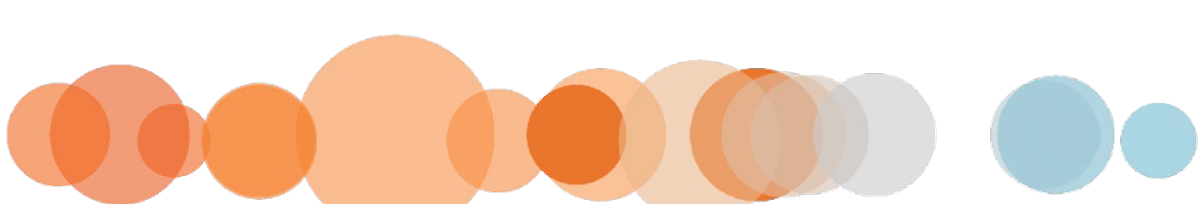
Section 5: Dashboards

5.1	Building a Dashboard
5.2	Best Practices for Effective Dashboards
5.3	Actions
5.4	Dashboard Interactivity Using Actions
5.5	Adding a Logo to a Dashboard
5.6	How to Use Custom Shapes as Filters on Your Dashboard
5.7	Dashboards that Persuade, Inform, and Engage
5.8	6 Tips to Make Your Dashboards More Performant



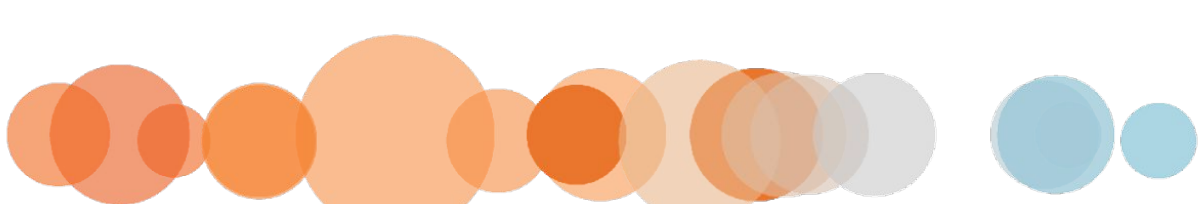
Section 6: Calculations

6.1	Getting Started with Calculations
6.2	A Handy Guide to Choosing the Right Calculation for Your Question
6.3	Explore the Calculation Reference Library
6.4	Using a Parameter to Change Fields
6.5	Modifying Table Calculations
6.6	Resolving Aggregation Calculation Error
6.7	Top 15 LOD Expressions



Section 7: Get Hands On

7.1	Attend a Tableau User Group
7.2	Attend a Tableau Classroom Training
7.3	Attend a Tableau Webinar
7.4	Try a Build it Yourself exercise
7.5	Are You as Tableau-Smart as a Tableau Consultant?



Section 8: Go Deeper

8.1	Create Views for Market Basket Analysis
8.2	How to Visualize Sentiment and Inclination
8.3	When to Blend and When to Join
8.4	Designing Great Visualizations
8.5	8 Great Books about Data Visualisation
8.6	5 Lesser-Known Books on Data Visualization
8.7	Applying Graphic Design Principles to Create Killer Dashboards
8.8	LODs of Fun with Jedi Filters

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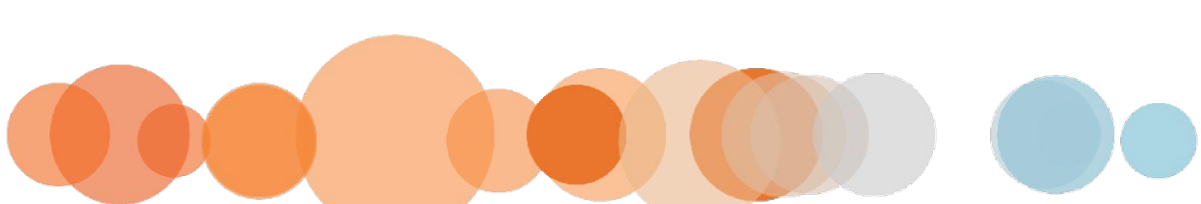
Section 9: Data Literacy

Use the free Data Literacy for All eLearning for this module (must be logged in to Tableau.com)

9.1	Intro to Data Literacy
9.2	Recognizing Well-Structured Data
9.3	Exploring Variables and Field Types
9.4	Exploring Aggregation and Granularity
9.5	Understanding Distributions
9.6	Understanding Variation for Wise Comparisons
9.7	Using Correlation & Regression to Examine Relationships



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