Data Mining & Visual Analytics 15:10-16:00			
Date	Topic	Tableau tips and skills	Time
9.13	National holiday		no class
9.20	Introduction	Warm-up	1520-1710
9.27	Data visualization A Strong Foundation	Tableau Training & Tutorials	1520-1710
10.4	Develop a visual representation	Connecting to Data Customizing a Data Source Filtering Your Data Sorting Your Data	1520-1800
10.11	National holiday		no class
10.18	Online Learning		no class
10.25	II.1 A Brief History of Data Visualization II.2 Good Graphics? - Ricardo II.3 Static Graphics - Bonz	Creating Groups in Your Data Creating Hierarchies in Your Data Working with Date Fields: Discrete and Continuous Time Working with Date Fields: Custom Dates	1600-1800
11.1	Online Learning		no class
11.8	II.4 Data Visualization Through Their Graph Representations -Weber II.5 Graph-theoretic Graphics -Judy II.6 High-dimensional Data Visualization - Leo	Working with Multiple Measures: Dual Axis and Combo Charts Working with Multiple Measures: Combined Axis Charts Showing Relationships between Numerical Values Mapping Data Geographically	1520-1800
11.15	Online Learning		no class
11.22	II.7Multivariate Data Glyphs: Principles and Practice - Grace II.8 Linked Views for Visual Exploration – Nicole II.9 Linked Data Views - Susan II.10 Visualizing Trees and Forests - Jamie	Using Crosstabs: Totals and Aggregation Using Crosstabs: Highlight Tables Using Crosstabs: Heat Maps	1520-1800
11.29	III.1 Interactive Linked Micromap Plots for the Display of Geographically Referenced Statistical Data – RICA III.2 Grand Tours, Projection Pursuit Guided Tours, and Manual Controls - Weber	Using Calculations: Customize Your Data Using Calculations: Working with Strings, Dates, and Type Conversion Functions Using Calculations: Working with Aggregations Using Quick Table Calculations	1520-1800

		to Analyze Data	
12.6	III.3Multidimensional Scaling - Leo III.4 Huge Multidimensional Data Visualization: Back to the Virtue - Grace	Showing Breakdowns of the Whole Highlighting Data with Reference Lines Create a Dashboard: Combining Your Views Create a Dashboard: Add Actions for Interactivity Sharing Your Work	1520-1800
12.13	III.5Multivariate Visualization by Density Estimation - Nicole III.6 Structured Sets of Graphs - Judy	Using Level of Detail Expressions Filtering and LOD Expressions	1520-1800
12.20	III.7 Regression by Parts: Fitting Visually Interpretable Models with GUIDE - Susan III.8 Structural Adaptive Smoothing - Jamie	Showing Statistics and Forecasting: Use the Analytics Pane and Trend Lines Advanced Dashboards: Using Design Techniques and Filter Actions Telling Stories with Data	1520-1800
12.27	III.9 Smoothing Techniques for Visualisation III.10 Data Visualization via Kernel Machines - Bonz	Dashboarding: Be Efficient with Views and Layout Dashboarding: Guide Analysis with Context Filters	1520-1800
1.3	Final project		1520-1800
1.10	-		