

1.3.4. Shape data by using aggregation		https://www.coursera.org/team/mastering-advanced-data-and-analytics/features-tableau/lecture/Xo7GB/transforming-data-using-tableau-prep-builder	https://help.tableau.com/current/prepare-us/prepare_combine.htm#aggregate-and-group-values
1.3.5. Perform filtering		https://www.coursera.org/team/mastering-advanced-data-and-analytics/features-tableau/lecture/Xo7GB/transforming-data-using-tableau-prep-builder	https://help.tableau.com/current/prepare-us/prepare_filter.htm
1.3.6. Shape data by using pivots		https://www.coursera.org/team/mastering-advanced-data-and-analytics/features-tableau/lecture/Xo7GB/transforming-data-using-tableau-prep-builder	https://help.tableau.com/current/prepare-us/prepare_pivot.htm
1.4 Customize fields			
1.4.1. Change default field properties (types, sorting, etc)		https://www.coursera.org/team/mastering-advanced-data-and-analytics/features-tableau/lecture/XGUL/customizing-and-converting-fields	https://help.tableau.com/current/pro/desktop/en-us/datafields_fieldproperties.htm
1.4.2. Rename columns			https://help.tableau.com/current/pro/desktop/en-us/howto_connect.htm#~text=change%20or%20reset%20field%20names
1.4.3. Choose when to convert between discrete and continuous		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/XGUL/customizing-and-converting-fields#	https://help.tableau.com/current/pro/desktop/en-us/datafields_typesandroles_convertdiscretetoh.htm
1.4.4. Choose when to convert between dimension and measure		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/XGUL/customizing-and-converting-fields#	https://help.tableau.com/current/pro/desktop/en-us/datafields_typesandroles_convertdimensionto.htm
1.4.5. Create aliases		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/XGUL/customizing-and-converting-fields#	https://help.tableau.com/current/pro/desktop/en-us/datafields_fieldproperties_aliases_extending.htm
Domain 2: Explore and Analyze Data			
2.1 Create calculated fields			
2.1.1. Write date calculations (DATEPARSE, DATENAME...)		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/GK5Z/creating-calculated-fields#	https://help.tableau.com/current/pro/desktop/en-us/functions_functions_date.htm
2.1.2. Write string functions	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/7BoU/creating-basic-calculations-using-calculations#		https://help.tableau.com/current/pro/desktop/en-us/functions_functions_string.htm
2.1.3. Write logical and Boolean expressions (IF, CASE, NESTED, etc.)	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/7BoU/creating-basic-calculations-using-calculations#		https://help.tableau.com/current/pro/desktop/en-us/functions_functions_logical.htm
2.1.4. Write number functions		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/GK5Z/creating-calculated-fields#	https://help.tableau.com/current/pro/desktop/en-us/functions_functions_number.htm
2.1.5. Write type conversion functions		https://www.coursera.org/team/practice-exam-for-tableau-certified-data-analyst/lecture/GK5Z/creating-calculated-fields#	https://help.tableau.com/current/pro/desktop/en-us/functions_functions_typeconversion.htm
2.1.6. Write aggregate functions	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/NN6Y/managing-data-granularity-and-aggregation#		https://help.tableau.com/current/pro/desktop/en-us/calculations_calculatedfields_aggregate_create.htm
2.1.7. Write FIXED LOD calculations	<ol style="list-style-type: none"> https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/7PVEZ/understanding-level-of-detail-look-expressions# https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/49HT/tuning-level-of-detail-look-expressions# https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/6FWR/reversing-calculated-fields-for-advanced-analytics# 		https://help.tableau.com/current/pro/desktop/en-us/calculations_calculatedfields_lof_fixed.htm
2.2 Create quick table calculations			
2.2.1. Moving average			https://help.tableau.com/2021.3/pro/desktop/en-us/calculations_tablecalculations_definebasic_runningtotal.htm#~text=moving%20average

2.5.2. With filters	https://www.coursera.org/learn/getting-started-with-tableau/lecture/9nDQJ/creating-and-customizing-advanced-visualizations#		https://help.tableau.com/current/pro/desktop/en-us/parameters_create.html#text-use%20a%20parameter%20in%20a%20filter
2.5.3. With reference lines	Yes - new Reading asset to be added to the course		https://help.tableau.com/current/pro/desktop/en-us/parameters_create.html#text-use%20a%20parameter%20in%20a%20reference%20line
2.6 Structure the data			
2.6.1. Sets		https://www.coursera.org/learn/practice-exam-for-tableau-certified-data-analyst/lecture/20B9u/using-sets-to-structure-data#	https://help.tableau.com/current/pro/desktop/en-us/sets/group_sets_create.htm
2.6.2. Bins		https://www.coursera.org/learn/practice-exam-for-tableau-certified-data-analyst/lecture/pEWW/using-bins-and-groups-to-structure-data#	https://help.tableau.com/current/pro/desktop/en-us/calculations_bins.htm
2.6.3. Hierarchies	https://www.coursera.org/learn/advanced-data-visualization-with-tableau/lecture/4yUth/building-hierarchies#		https://help.tableau.com/current/pro/desktop/en-us/using_hierarchies.htm
2.6.4. Groups		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/pEWW/using-bins-and-groups-to-structure-data#	https://help.tableau.com/current/pro/desktop/en-us/sets/group_group_create.htm
2.7 Map data geographically			
2.7.1. Create symbol maps	https://www.coursera.org/learn/advanced-data-visualization-with-tableau/lecture/4FVR/overrapping-calculated-fields-for-advanced-analytics#		https://help.tableau.com/current/pro/desktop/en-us/maps/howto_symbol.htm
2.7.2. Create heat maps	https://www.coursera.org/learn/getting-started-with-tableau/lecture/9nDQJ/creating-and-customizing-advanced-visualizations#		https://help.tableau.com/current/pro/desktop/en-us/maps/howto_heatmap.htm
2.7.3. Create density maps	https://www.coursera.org/learn/getting-started-with-tableau/lecture/9nDQJ/creating-and-customizing-advanced-visualizations#		https://help.tableau.com/current/pro/desktop/en-us/maps/howto_heatmap.htm
2.7.4. Create choropleth maps (filled maps)	https://www.coursera.org/learn/getting-started-with-tableau/lecture/9nDQJ/creating-and-customizing-advanced-visualizations#		https://help.tableau.com/current/pro/desktop/en-us/maps/build.html#Choropleth
2.8 Summarize, model, and customize data by using the Analytics feature			
2.8.1. Totals and subtotals		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/hd8aQ/adding-totals-and-customizing-table-calculations	https://help.tableau.com/current/pro/desktop/en-us/calculations_totals_grandtotal_tutorial.htm
2.8.2. Reference lines		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/5q4d4/using-the-analytics-feature-to-summarize-and-customize-data	https://help.tableau.com/current/pro/desktop/en-us/reference_lines.html#text-add%20a%20reference%20line
2.8.3. Reference bands		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/5q4d4/using-the-analytics-feature-to-summarize-and-customize-data	https://help.tableau.com/current/pro/desktop/en-us/reference_lines.html#text-add%20reference%20bands
2.8.4. Average lines		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/4uDPF/using-the-analytics-feature-to-model-data	https://help.tableau.com/current/pro/desktop/en-us/environ_workspace_analytics_page.html#text-average%20line
2.8.5. Trend lines		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/4uDPF/using-the-analytics-feature-to-model-data	https://help.tableau.com/current/pro/desktop/en-us/headlines_add.htm
2.8.6. Distribution bands		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/5q4d4/using-the-analytics-feature-to-summarize-and-customize-data	https://help.tableau.com/current/pro/desktop/en-us/reference_lines.html#text-add%20a%20reference%20distribution
2.8.7. Forecast by using default settings		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/b477d/using-the-analytics-feature-to-forecast-data	https://help.tableau.com/current/pro/desktop/en-us/forecast_create.htm
2.8.8. Customize a data forecasting model		https://www.coursera.org/learn/mastering-advanced-data-and-analytics-features-tableau/lecture/b477d/using-the-analytics-feature-to-forecast-data	https://help.tableau.com/current/pro/desktop/en-us/forecast_options.htm

2.8.9. Create a predictive model			https://help.tableau.com/current/pro/desktop/en-us/predictions.htm
Domain 3: Create Content			
3.1 Create charts			
3.1.1. Create basic charts from scratch (bar, line, pie, highlight table, scatter plot, histogram, tree map, bubbles, data tables, Gantt, box plots, area, dual axis, combo)	1. https://www.coursera.org/team/getting-started-with-tableau/lecture/1h3u7rcreating-basic-visualizations# 2. https://www.coursera.org/team/getting-started-with-tableau/lecture/3DQv6enhancing-visual-appearance-with-customizations# 3. https://www.coursera.org/team/getting-started-with-tableau/lecture/5DQv6creating-and-customizing-advanced-visualizations#		1. https://help.tableau.com/current/pro/desktop/en-us/data/view_examples.htm#2 2. https://help.tableau.com/current/pro/desktop/en-us/building_review.htm#2 3. https://help.tableau.com/current/pro/desktop/en-us/building_review.htm
3.1.2. Sort data (including custom sort)	https://www.coursera.org/team/getting-started-with-tableau/lecture/5DQv6navigating-the-tableau-interface#		https://help.tableau.com/current/pro/desktop/en-us/toolbar/sorting_computed_howto.htm
3.2 Create dashboards and stories			
3.2.1. Combine sheets into a dashboard by using containers and layout options	https://www.coursera.org/team/getting-started-with-tableau/home/module/2		https://help.tableau.com/current/pro/desktop/en-us/dashboards/organize_floatingandfixed.htm
3.2.2. Add objects	1. https://www.coursera.org/team/getting-started-with-tableau/home/module/2 2. https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rcreating-dashboards-extensions-and-web-object#		https://help.tableau.com/current/pro/desktop/en-us/dashboards/create.html#text=adv%20dashboards%20objects
3.2.3. Create stories	1. https://www.coursera.org/team/getting-started-with-tableau/home/module/2 2. https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rcreating-story-points-for-data-storytelling#		https://help.tableau.com/current/pro/desktop/en-us/stories.htm
3.3 Add interactivity to dashboards			
3.3.1. Apply a filter to a view	1. https://www.coursera.org/team/getting-started-with-tableau/lecture/5DQv6empowering-user-interaction-with-filters-and-highlighting# 2. https://www.coursera.org/team/getting-started-with-tableau/lecture/5DQv6creating-interactive-filters-and-parameters#		https://help.salesforce.com/s/articleView?id=001486279&type=1
3.3.2. Add filter, URL, and highlight actions	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rincorporating-actions-and-navigation-in-dashboards#		1. https://help.tableau.com/current/pro/desktop/en-us/actions_filter.htm#2 2. https://help.tableau.com/current/pro/desktop/en-us/actions_url.htm#2
3.3.3. Swap sheets by using parameters or sheet selector			https://help.tableau.com/current/pro/desktop/en-us/dashboards_sheet_selector.htm
3.3.4. Add navigation buttons	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rincorporating-actions-and-navigation-in-dashboards#		https://help.tableau.com/current/pro/desktop/en-us/dashboards_create.html#text=adv%20dashboards%20navigation%20
3.3.5. Implement user guiding sentences (click..., hover..., menu options)	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rincorporating-actions-and-navigation-in-dashboards#		
3.4 Format dashboards			
3.4.1. Apply color, font, shapes, styling	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7radvanced-formatting-and-user-experience-in-desktop#		1. https://help.tableau.com/current/pro/desktop/en-us/viewparts_marks_markproperties_a_color.htm#2 2. https://help.tableau.com/current/pro/desktop/en-us/viewparts_marks_text_text.htm#2
3.4.2. Add custom shapes and color palettes			1. https://help.tableau.com/2021.2/pro/desktop/en-us/viewparts_marks_markproperties_a.html#text=adv%20dashboards%20shapes%20 2. https://help.tableau.com/2021.2/pro/desktop/en-us/viewparts_marks_color_palettes.htm#2
3.4.3. Add annotations			https://help.tableau.com/2021.2/pro/desktop/en-us/annotations_annotations_add.htm
3.4.4. Add tooltips	1. https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rusing-tooltips-for-enhanced-data-insights# 2. https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7rusing-tooltips-with-headers-for-navigation#		https://help.tableau.com/current/pro/desktop/en-us/formatting_specific_tooltip.htm#text=adv%20tooltips
3.4.5. Apply padding			https://help.tableau.com/current/pro/desktop/en-us/dashboards/organize_floatingandfixed.html#text=adv%20padding
3.4.6. Remove gridlines, row-level and column-level bands, and shading			1. https://help.tableau.com/current/pro/desktop/en-us/formatting_worksheet.html#text=adv%20lines%20 2. https://help.tableau.com/current/pro/desktop/en-us/formatting_worksheet.html#text=adv%20lines%20
3.4.7. Apply responsive design for specific device layouts	https://www.coursera.org/team/advanced-data-visualization-with-tableau/lecture/1h3u7radvanced-formatting-and-user-experience-in-desktop#		https://help.tableau.com/current/pro/desktop/en-us/dashboards_dtd_create.htm
Domain 4: Publish and Manage Content on Tableau Server and Tableau Cloud			

4.1 Publish content			
4.1.1. Publish a workbook		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/publishing-and-managing-content-on-tableau-server	https://help.tableau.com/current/pro/desktop/en-us/publish_workbooks_howto.htm
4.1.2. Publish a data source		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/publishing-and-managing-content-on-tableau-server	https://help.tableau.com/current/pro/desktop/en-us/publish_datasources.htm
4.1.3. Print content		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/publishing-and-managing-content-on-tableau-server	https://help.tableau.com/current/pro/desktop/en-us/printing.htm
4.1.4. Export content		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/publishing-and-managing-content-on-tableau-server	https://help.tableau.com/current/pro/desktop/en-us/save_export_data.htm
4.2 Schedule data updates			
4.2.1. Schedule data extract refreshes		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/cab/schedule-data-updates-and-create-alerts-and-subscriptions	https://help.tableau.com/current/server/en-us/rf_refresh_extract.htm
4.2.2. Schedule a Tableau Prep workflow		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/CAB/schedule-data-updates-and-create-alerts-and-subscriptions	https://help.tableau.com/current/server/en-us/prep_conductor_create_schedule_definitions.htm
4.3 Manage published workbooks			
4.3.1. Create alerts		https://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/CAB/schedule-data-updates-and-create-alerts-and-subscriptions	1. https://help.tableau.com/current/alerts/en-us/data_alerts_admin.html?_gl=1*_tqywmw*_ga*MTC-D0DMAGT6RLXPDZC9UEMIDY_*_ga_8YNQSDN3S*MTC-PDZ-NVnPOCC4NDUJHMS4xZhzhvzkyMTGduwMCdw
4.3.2. Create subscriptions		http://www.coursera.org/learn/mastering-advanced-data-and-analytics/features-tableau/tutorials/CAB/schedule-data-updates-and-create-alerts-and-subscriptions	https://help.tableau.com/current/online/en-us/subscribe_user.htm