{"cells":[{"cell_type":"markdown","metadata":{},"source":"**This notebook is an exercise in the [Data Visualization] (https://www.kaggle.com/learn/data-visualization) course. You can reference the tutorial at [this link] (https://www.kaggle.com/alexisbcook/choosing-plot-types-and-custom-styles).**\n\n---\n"},{"cell_type":"markdown","metadata":{},"source":"In this exercise, you'll explore different chart styles, to see which color combinations and fonts you like best!\n\n## Setup\n\nRun the next cell to import and configure the Python libraries that you need to complete the exercise."},{"cell_type":"code","execution_count":null,"metadata":{},"outputs":[],"source":"import pandas as pd\npd.plotting.register_matplotlib_converters()\nimport matplotlib.pyplot as plt\n%matplotlib inline\nimport seaborn as sns\nprint(\"Setup Complete\")"},{"cell_type":"markdown","metadata":{},"source":"The questions below will give you feedback on your work. Run the following cell to set up our feedback system."},{"cell_type":"code","execution_count":null,"metadata":{},"outputs":[],"source":"# Set up code checking\nimport os\nif not os.path.exists(\"../input/spotify.csv\"):\n   os.symlink(\"../input/data-for-datavis/spotify.csv\", \"../input/spotify.csv\") \nfrom learntools.core import binder\nbinder.bind(globals())\nfrom learntools.data_viz_to_coder.ex6 import *\nprint(\"Setup Complete\")"},{"cell_type":"markdown","metadata":{},"source":"You'll work with a chart from the previous tutorial. Run the next cell to load the data."},{"cell_type":"code","execution_count":null,"metadata":{},"outputs":[],"source":"# Path of the file to read\nspotify_filepath = \"../input/spotify.csv\"\n\n# Read the file into a variable spotify_data\nspotify_data = pd.read_csv(spotify_filepath, index_col=\"Date\", parse_dates=True)"},{"cell_type":"markdown","metadata":{},"source":"# Try out seaborn styles\n\nRun the command below to try out the `\"dark\"` theme."},{"cell_type":"code","execution_count":null,"metadata":{},"outputs":[],"source":"# Change the style of the figure\nsns.set_style(\"dark\")\n\n# Line chart \nplt.figure(figsize=(12,6))\nsns.lineplot(data=spotify_data)\n\n# Mark the exercise complete after the code cell is run\nstep_1.check()"},{"cell_type":"markdown","metadata":{},"source":"Now, try out different themes by amending the first line of code and running the code cell again. Remember the list of available themes:\n- `\"darkgrid\"`\n- `\"whitegrid\"`\n- `\"dark\"`\n- `\"white\"`\n- `\"ticks\"`\n\nThis notebook is your playground -- feel free to experiment as little or as much you wish here! The exercise is marked as complete after you run every code cell in the notebook at least once.\n\n## Keep going\n\nLearn about how to select and visualize your own datasets in the **[next tutorial] (https://www.kaggle.com/alexisbcook/final-project)**!"},{"cell_type":"markdown","metadata":{},"source":"---\n\n\n\n*Have questions or comments? Visit the [Learn Discussion forum](https://www.kaggle.com/learn-forum/161291) to chat with other Learners.*"}],"metadata":{"kernelspec":{"display_name":"Python 3","language":"python","name":"python3"},"language_info":{"codemirror_mode":{"name":"ipython","version":3},"file_extension":".py","mimetype":"text/x-python","name":"python","nbconvert_exporter":"python","pygments_lexer":"ipython3","version":"3.6.5"}},"nbformat":4,"nbformat_minor":2}