Submission Phase

1. Do assignment ☑ (/datavisualization-001/human_grading/view/courses/973956/assessments/13/submissions)

due in 1day 23h

Evaluation Phase

2. Evaluate peers ☐ (/datavisualization-001/human_grading/view/courses/973956/assessments/13/peerGradingSets)
3. Self-evaluate 🔒 (/datavisualization-001/human_grading/view/courses/973956/assessments/13/selfGradingSets)

Results Phase

4. See results 🔒 (/datavisualization-001/human_grading/view/courses/973956/assessments/13/results/mine)

← Return to list (/datavisualization-001/human_grading/view/courses/973956/assessments/13/peerGradingSets/1662)

⏭ Preview next submission (/datavisualization-001/human_grading/view/courses/973956/assessments/13/peerGradingSets/1662/peerGradings/1)

You are urged to preview the work of all 4 of your peers before you start submitting your required evaluations.
Remember to click the "Submit Evaluation" button after *each* time that you fill out an evaluation.

`4 remaining of 4 required evaluations`

Save draft | Submit evaluation

Submission from: Student 1

Before submitting your visualization image, make sure you review the full instructions page (https://class.coursera.org/datavisualization-001/wiki/view?page=Programming_Assignment_1).

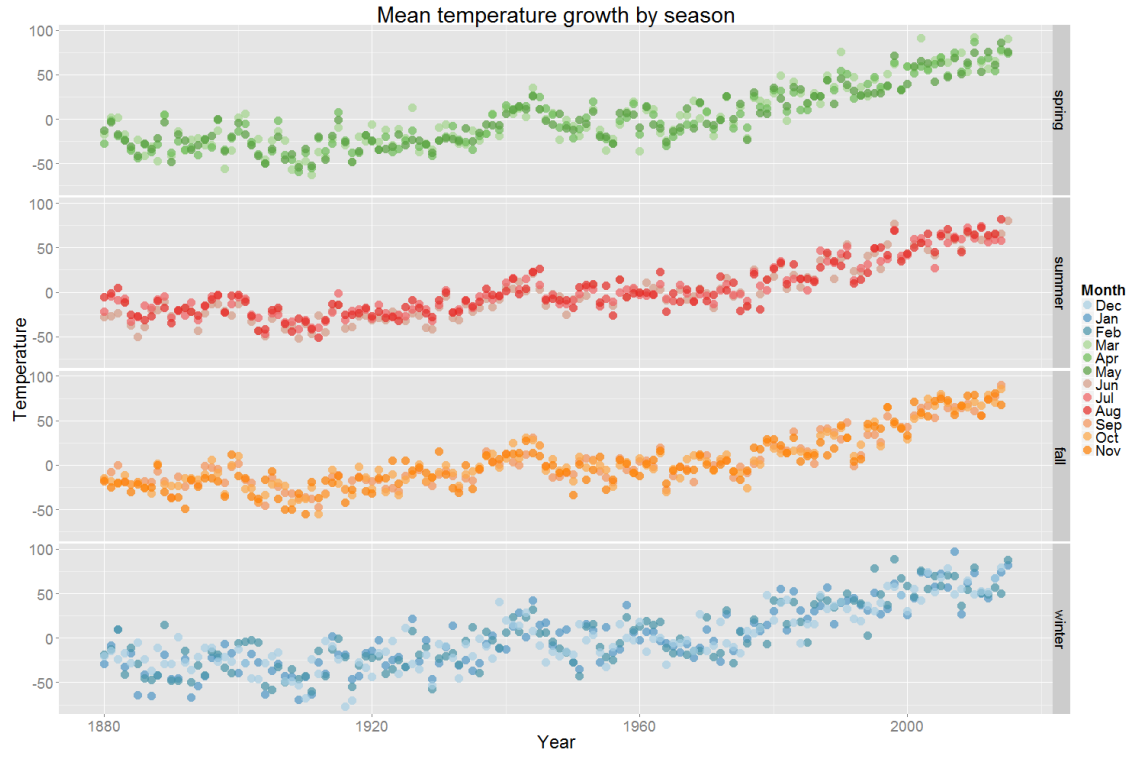
Upload your visualization image below.

Alongside your visualizations, feel free to include a paragraph that helps explain your submission. A few questions that your paragraph could answer:

1. What are your X and Y axes?
2. Did you use a subset of the data? If so, what was it?

3. Are there any particular aspects of your visualization to which you would like to bring attention?
4. What do you think the data, and your visualization, shows?

The following plot shows the mean month temperatures divided by season, i.e. there are four plots, one for each season. I don't dwell on the data for each month so the colors for them are very similar not to add excess visual load. The X axis shows years from 1880 to 2015, this axis is one for all four plots. The Y axis shows temperature, there are for separate Y axes, one for each season. I used a subset of data for this plot, i.e. year + all 12 months data, it's part of the data from the first file. I also reshaped my subset data a bit for easier plotting.
I think that my plot shows a few things:
1. There is an overall trend through the year regardless of season: steady increase after 1940s (where was a short decrease, an interesting thing to investigate). Before that drop there was an increase from 1910s to 1940s although it was weaker than the present trend. Before 1910s it's more difficult to tell, it seems some mathematical modeling is needed.
2. The temperatures seem to vary more in cold season and vary less in warm season, i.e. the winter temperatures are much more scattered than the summer temperatures with spring and fall in between.



flag (https://accounts.coursera.org/i/zendesk/courserahelp?return_to=https://learner.coursera.help/hc/articles/201212339-Peer-Graded-Assignments)

Overall evaluation/feedback

Appropriate chart selection and variable

Did you select the appropriate chart and use the correct chart elements to visualize the nominal, ordinal, discrete and continuous variables, as described e.g. in lecture 2.1.3. Continuous data variables should be assigned to continuous chart elements (e.g. lines between data points) whereas discrete variables should be assigned to discrete chart elements (e.g. separate bars). Furthermore, the assignment of variables to elements should follow the priorities in lecture 2.1.2.

Poor (1-2 points)	Fair (3 points)	Good (4 points)	Excellent (5 points)
Chart is indecipherable or significantly misleading	Major problem(s) with chart selection	Minor problem(s) with chart selection	Chart selection is appropriate for data and

because of poor chart type or assignment of variables to elements.	or assignment of elements to variables.	or assignment of elements to variables.	its elements properly assigned to appropriate data variables.

Instructions: Select a score below that corresponds to the rating above that best describes the work you reviewed.

▾

Design of the chart

Does the chart effectively display the data, based on the design rules in lecture 2.3.1.

Poor (1-2 points)	Fair (3 points)	Good (4 points)	Excellent (5 points)
No apparent attention paid to design	Evidence that several of the design rules should have been followed but were not	Evidence that one of the design rules should have been followed but was not	Attention paid to all design rules

Instructions: Select a score below that corresponds to the rating above that best describes the work you reviewed.

▾

Contest

How interesting is the result. Does this represent an interesting choice of data and/or an interesting way to display the data? For example, was a streamgraph used instead of an ordinary bar chart?

Poor (1-2 points)	Fair (3 points)	Good (4 points)	Excellent (5 points)
Misleading	Boring	Not boring	Interesting

Instructions: Select a score below that corresponds to the rating above that best describes the work you reviewed.

▾

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