Name: Kailan Barnes   **Date:** 10/26/2021

Lab section: Tuesday

Show your work!!!

Acquire

Week: 9

Date: February 25   Year: **2019**   Data: Economic value of the bicycle industry
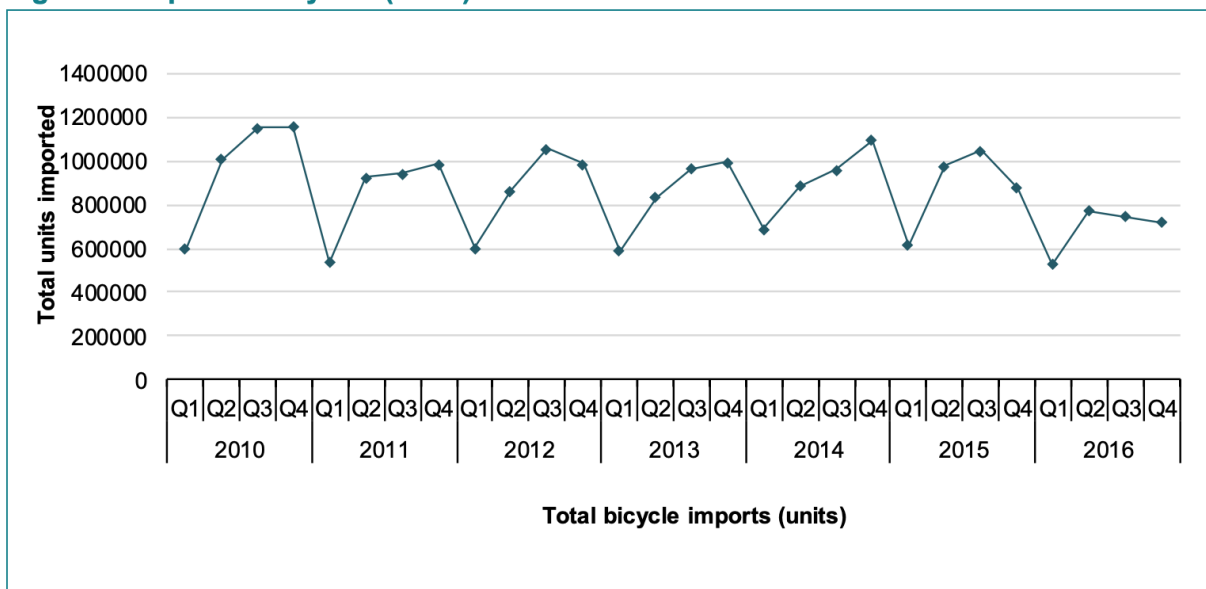
Source Article/Visualization:

Economic   value   of   the   bicycle   industry
Data Source: SQW

https://www.makeovermonday.co.uk/data/data-sets-2018/

Represent

Figure 1: Imported bicycles (units)

Source: HMRC UK INTRASTAT and ALLSTAT data

Critique

The visualization only shows total values of bikes, even though the source provides a difference between regular bicycles and electric bicycles. It also does not state that the data is from the UK. It is nice that it uses a line chart properly. I want to focus on the data of the e-bikes in the table, but also use a line chart. This visualization falls under the Data Visualization category as a line chart. As a line chart, it gives an overview of the topic, but cannot give details, such as individual values, easily. As a line chart is also suggests convergent thinking, trying to get the reader to come to an insight about the visualization.

Mine

What percentage of bicycles imported into the UK are electric? Is this percentage stable? How does the percentage compare to the number of imported e-bikes?

Filter

Show (display, list, make it visible) the filtered data.

Date	Manual Bikes	e-Bikes	Gross Value Added
01/10/2016	719043	30230	89563770
01/07/2016	745763	39169	61237204
01/04/2016	774019	21392	101664534
01/01/2016	529218	42364	120985418
01/10/2015	878595	117320	113199810
01/07/2015	1045568	38207	71286961
01/04/2015	978284	11049	126809350
01/01/2015	616069	8421	111057159
01/10/2014	1095899	26705	102639760
01/07/2014	959767	21006	79630767
01/04/2014	887023	10647	114929714

Stakeholders

- People who work in the bicycle industry, government employees who regulate imports, bicycle market analysts
- The data provided is truthful and no errors were made, audiences who view the visualization are familiar with the bicycle industry
- Tableau was used to make the visualization

What to submit: This document in PDF format only (if you do not know how to do this, ask).
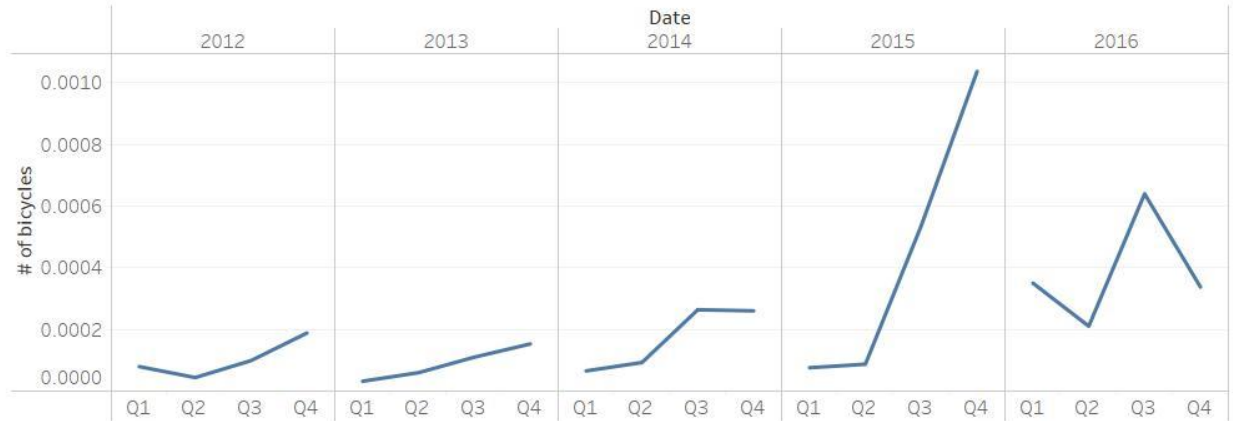
Choose the best layout for your makeover visualization: Portrait or Landscape, Remove the page of the layout that you DO NOT choose. No blank pages!

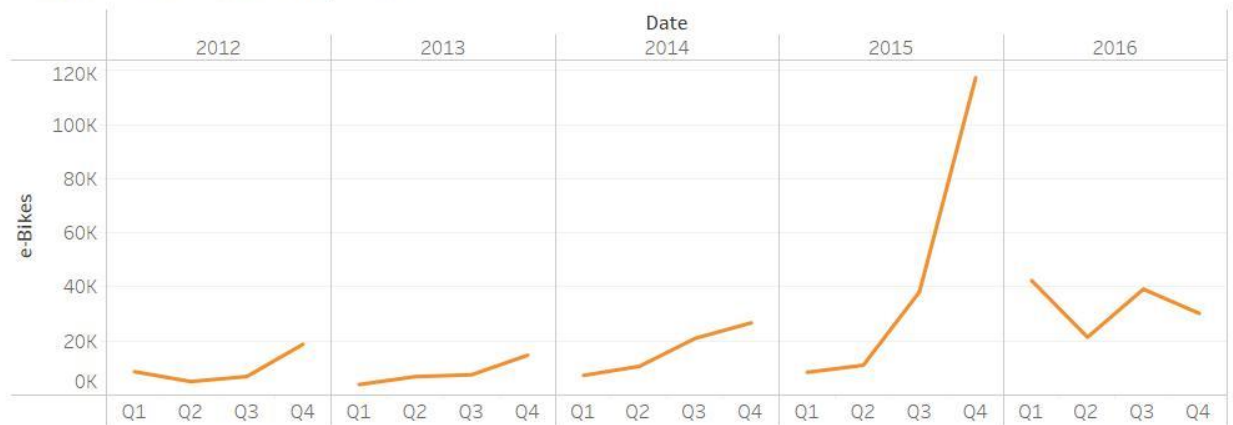## Refine (Makeover – Portrait View)

Use an additional page if necessary. Remember, the purpose of visualization is *"insight."* Take and include a screenshot of your visualization and include it below. Use Data Visualization Best Practices (see data visualization checklist).

Percentage of bicycles imported in the UK that are e-Bikes

Number of e-Bikes imported

These line charts show the number of e-bikes and the percentage of bikes that are e-bikes that are imported into the United Kingdom. It shows the data from 2012 to 2016, separated by quarter.

Resources
Data Visualization Checklist:
http://stephanieevergreen.com/wp-content/uploads/2016/10/DataVizChecklist_May2016.pdf

How to give constructive criticism:
https://personalexcellence.co/blog/constructive-criticism/

Sample Makeovers
https://www.makeovermonday.co.uk/gallery/

Grading Rubric

Excellent (21-25 pts)	Good (10-20 pts)	Fair (5 – 9 pts)	Needs Improvement (0 – 4 pts)
Meets **ALL** or most of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed.	Meets **MOST** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed.	Consistently meets **SOME** of these: Makeover is esthetically pleasing (color, perception), best practices followed (insightful), Correct dataset downloaded; provided an interesting point of view of the data; critiqued previous makeover, critique is constructive (indicates one thing that is done well, and one thing that could be done differently, what will be done to improve the visualization), assumptions (more than one) are listed.	Little to no evidence of the understanding of the data visualization process. Lackluster makeover or no makeover. Little effort.