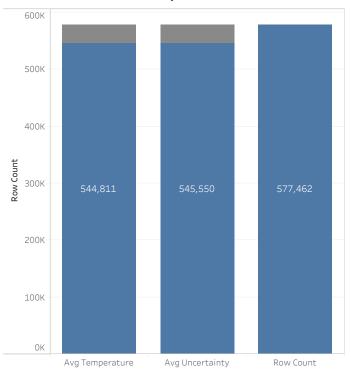
• • • • • • Climate Change: Earth Surface Temperature Data Global temperature data from 1750 - 2017 Kaggle Source: <a href="https://www.kaggle.com/berkeleyearth/climate-change-earth-surface-temperature-data">https://www.kaggle.com/berkeleyearth/climate-change-earth-surface-temperature-data</a>

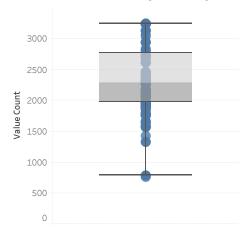
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Preliminary statistical summary: The features have > 95% valid entries and contain closely grouped data

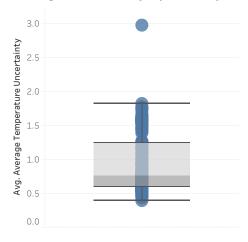
### Dataset Feature Usability



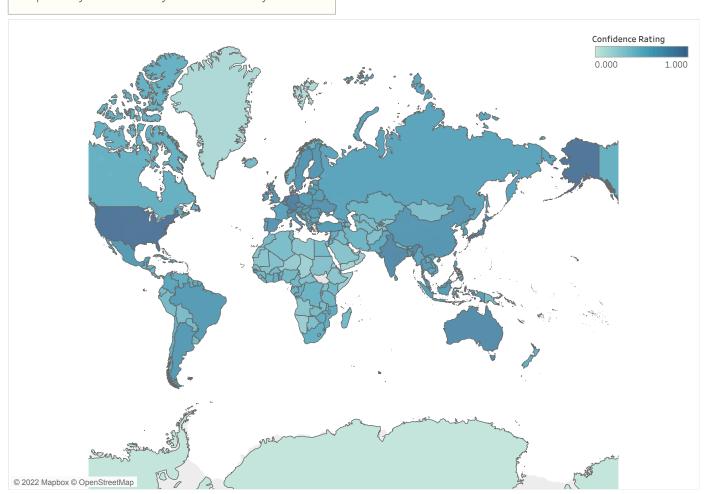
### Number of Records By Country



### Average Uncertainty By Country



Assigning relative confidence ratings:
Used a normalized, weighted average between
Temperature Uncertainty and Record Count to
quantify the accuracy of each country's data



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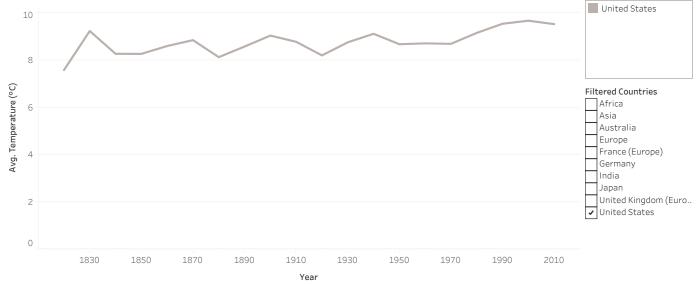
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### Top Countries By Confidence

	Avg. Uncertainty	Record Count	Confidence Rating
Asia	0.574	2,370	1.000
United States	0.831	2,941	0.982
Europe	1.420	3,239	0.920
Germany	1.571	3,239	0.895
Japan	0.601	2,073	0.851
United Kingdom (Europe)	1.551	3,239	0.833
India	0.758	2,613	0.809
Africa	0.396	1,965	0.808
France (Europe)	1.534	3,239	0.803
Australia	0.479	1,935	0.793

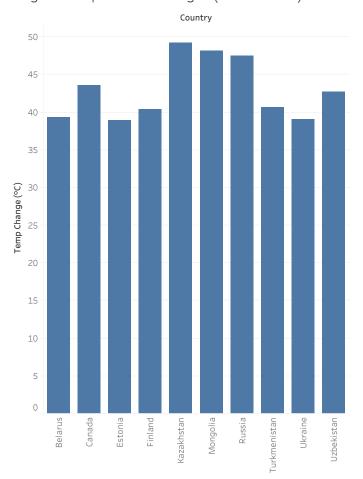
Selecting a subset for inspection:
The 10 countries with the largest *Confidence Rating* were extracted to allow for closer inspection and guarentee maximum accuracy

### Avg. Temperature of Most Confident Countries



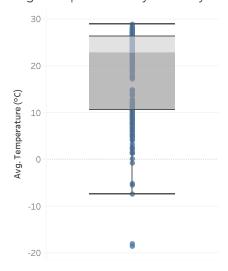
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Largest Temperature Changes (1750 - 2017)



Inspecting global temperature:
The countries' average temperatures over the past 60 years provide context of global climate

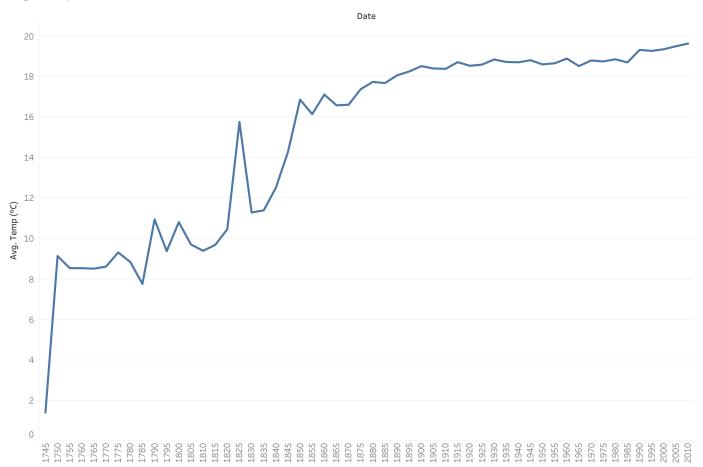
Avg. Temperature By Country



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Global temperature change:
Tracks the cumulative change in *average global*temperature over the past 60 years

### Avg. Temperature Timeline



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Visualizing temperature change:
Illustrates the change of each countries' average
temperature from 1950 - 2017

### Average Temperature By Country

