# Visual Encoding Worksheet

Go to <http://www.pewresearch.org/next-america/>

Given that the predominant types of visual encoding (Angle, Colour Hue, Colour Saturation, length, Orientation, Position X, Position Y, Shape, Size, Texture, Animation) map each data type in the following data visualisations to a visual encoding.

## US Population by age group

<http://www.pewresearch.org/next-america/#Two-Dramas-in-Slow-Motion>

**Fill in table – some values can be and will be empty.**

|  |  |
| --- | --- |
| Angle |  |
| Colour Hue |  |
| Colour Saturation |  |
| Length |  |
| Orientation |  |
| Position X | Percentage of Population |
| Position Y | Age |
| Shape | Pyramid |
| Size | Population |
| Texture |  |
| Animation | Time |

**Add some notes on graphs performance, readability and accuracy:**

The graph is clean and very readable. The performance is good and smooth.

## Percent of total US Population by race and ethnicity

<http://www.pewresearch.org/next-america/#Americas-Racial-Tapestry-Is-Changing>

**Fill in table – some values can be and will be empty.**

|  |  |
| --- | --- |
| Angle |  |
| Colour Hue |  |
| Colour Saturation |  |
| Length |  |
| Orientation |  |
| Position X | Year |
| Position Y | Percentage of Population |
| Shape |  |
| Size |  |
| Texture |  |
| Animation |  |

**Add some notes on graphs performance, readability and accuracy:**

I don’t think it is very readable, the colours are too similar.

## Percent of total US Population who are first or second-generation immigrants

<http://www.pewresearch.org/next-america/#Immigration-Is-Driving-Our-Demographic-Makeover>

**Fill in table – some values can be and will be empty.**

|  |  |
| --- | --- |
| Angle |  |
| Colour Hue |  |
| Colour Saturation |  |
| Length |  |
| Orientation |  |
| Position X | Year |
| Position Y | Percentage of population |
| Shape |  |
| Size |  |
| Texture |  |
| Animation |  |

**Add some notes on graphs performance, readability and accuracy:**

## Percent of total US Population saying there is a strong conflict between

<http://www.pewresearch.org/next-america/#Over-the-Horizon>

**Fill in table – some values can be and will be empty.**

|  |  |
| --- | --- |
| Angle |  |
| Colour Hue |  |
| Colour Saturation |  |
| Length |  |
| Orientation |  |
| Position X |  |
| Position Y |  |
| Shape |  |
| Size |  |
| Texture |  |
| Animation |  |

**Add some notes on graphs performance, readability and accuracy:**