PA-X Visual Encodings

All Visualizations

While visual elements used to represent agreements on the timeline and map may differ in shape and size, the color coding should remain consistent as much as possible across the timeline and map.

Visual Elements:

* **Agreement Stage:** represented by dark colors
  + Pre (pre-negotiation): dark blue
  + SubPar (framework substantive, partial): dark yellow
  + SubComp (framework substantive, comprehensive): dark orange
  + Imp (implementation): dark green
  + Cea (ceasefire/relation): dark red

*Exclude Ren (renewal) and Other*

* **Gender**: light orange-yellow
* **Power-sharing:** light purple

Timeline

Hovering and selecting visual elements to filter the timeline agreements displayed on the timeline will make agreements more transparent or remove them from the timeline (DECISION TBD)

Visual Elements:

* **Agreements**: represented by horizontal lines
  + Width: span width of a year on the timeline
  + Height: thin when displaying agreements for all country/entity values (“aggregated”), thick when displaying agreements for one country/entity (“individual”)
* **Agreement Stage:** represented by dark coloring of the horizontal lines representing agreements
  + Pre (pre-negotiation): dark blue
  + SubPar (framework substantive, partial): dark yellow
  + SubComp (framework substantive, comprehensive): dark orange
  + Imp (implementation): dark green
  + Cea (ceasefire/relation): dark red

*Exclude Ren (renewal) and Other*

* **Gender**: light orange-yellow
* **Power-sharing:** light purple

*Future additions of text-related, topical categories should be represented by light colors to distinguish from the visual encoding of Agreement Stage.*

In addition to the above, the two views of the timeline have the following visual encodings:

1. Trends View

Timeline Orientation: horizontal

Visual Elements:

* **Gender**: light orange-yellow circle below timeline
  + **Proportion:** line graph positioned on top of the agreement rectangles
  + **Count of Agreements:** number that appears upon hovering over a year on the timeline
* **Power-sharing:** light purple square below timeline
  + **Proportion:** line graph positioned on top of the agreement rectangles
  + **Count of Agreements:** number that appears upon hovering over a year on the timeline

*Future additions of text-related, topical categories should represent proportions and count of agreements in the same pattern.*

1. Chronology View

Timeline Orientation: vertical

Visual Elements:

* **Agreement Stage:** represented by dark colors
  + Pre (pre-negotiation): dark blue
  + SubPar (framework substantive, partial): dark yellow
  + SubComp (framework substantive, comprehensive): dark orange
  + Imp (implementation): dark green
  + Cea (ceasefire/relation): dark red

*Exclude Ren (renewal) and Other*

Tooltips:

* Agreement Tooltip: appears upon hovering over an agreement rectangle,
  + Displays core data for an agreement:
    - **Name**
    - **Date**
    - **Stage**
    - **Type**
    - **Status**
    - **Parties**
    - **Third Parties**
  + Displays category and subcategory information for an agreement
    - **Gender:** lightorange-yellow circle
      * **GeWom:** the letter “W”
      * **GeMe:** the letter “M”
      * **GeFa:** the letter “F”
      * **GeSo:** the letter “S”
    - **Power sharing:** light purple square
      * **Political:** the letter “P”
      * **Military:** the letter “M”
      * **Territorial:** the letter “T”
      * **Economic:** the letter “E”
* Year Tooltip: appears upon hovering over a year on the timeline
  + Displays total count of agreements
  + Displays summary of category information for an agreement
    - **Gender:** light orange-yellow circle
      * Proportions: light orange-yellow percentage
      * Count: light orange-yellow number
    - **Power sharing:** 
      * Proportions: light orange-yellow percentage
      * Count: light orange-yellow number

*Future additions of text-related, topical categories should be represented by light colors and different shapes to remain consistent with the visual encoding of the above categories.*

*Future additions of text-related, topical categories should represent proportions and count of agreements in the same pattern.*

Map