## Mark Creation

```
struct Plot <: Mark
  frame::PlotSpec
  gexpr::GraphicExpression
end
function ζ(plt::Plot)::𝕋{Mark}
  (; frame, gexpr) = plt
  sdata = scaledata(frame)
  graphic = gexpr(sdata)
  return frame + graphic
end
```

```
struct PlotSpec <: Mark
  data
  config
  encodings
end
function ζ(spec::PlotSpec)::𝕋{{Mark}
  ...
end
```

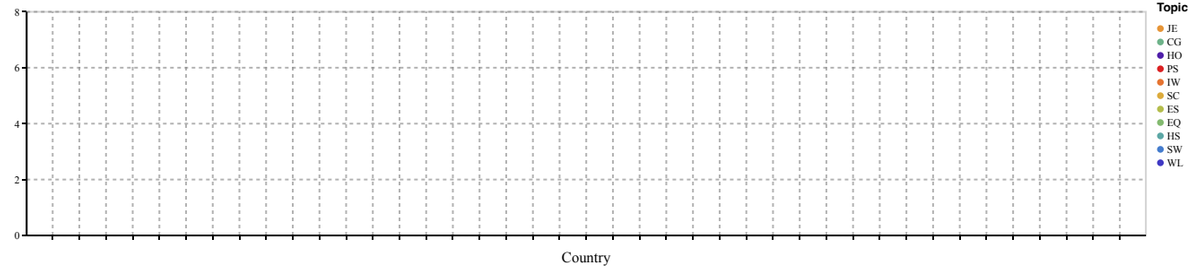
```
struct GraphicExpression
  expr::Function
  coalg::Function
  alg::Function
end
```

## Plot Specification

```
Plot(
  data=df,
  config=(...),
  encodings=(
    x = (field = :Country,...)),
    y = (field = :ValueSum,...),
    color = (field = :Topic,...),
    h = (field=:Value,...),
    text=(field=:Country,scale=IdScale,...)),

  gexpr = ∑(i=:x, rows-> begin
       T(rows.:x[1],0) * U(20)*
       Plant(
         flower_heights=rows.h,
         flower_widths =0.30rows.h,
         flower_colors=rows.color,
         stem_height=rows.y[1]/20,
         stem_text=rows.text[1]
       )
  end)
)
```

Plot Frame




Graphic Expression