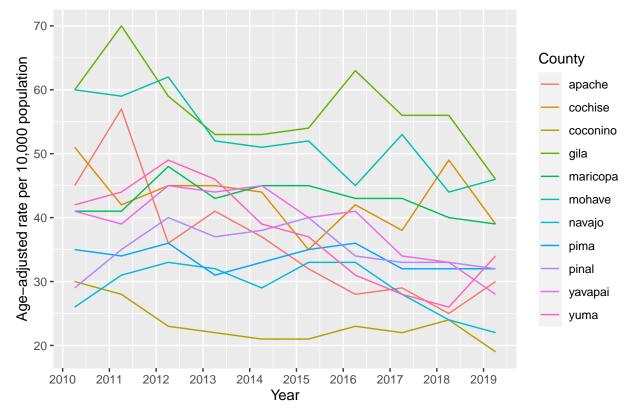
## Untitled

## Samantha Rodriguez

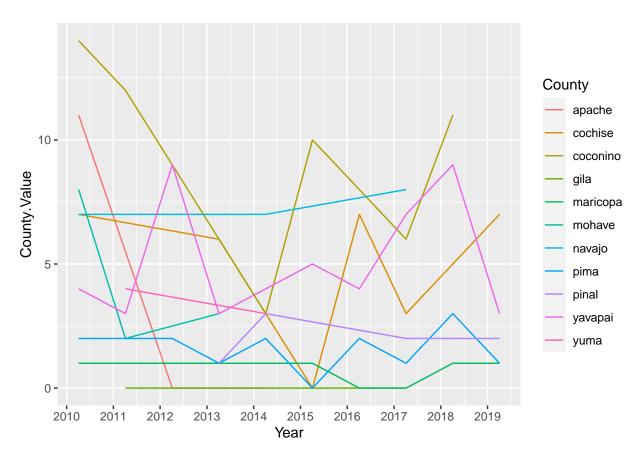
## 4/4/2022

```
asthma <- hospitalData[hospitalData$Content.Area == "Asthma",]
ggplot(asthma, aes(x=Year, y=County.Value, color=County)) + geom_line() +
    scale_x_date(date_labels = "%Y", date_breaks = "1 year") +
    ggtitle("Asthma Vists in Arizona Counties") +
    ylab("Age-adjusted rate per 10,000 population")</pre>
```

## Asthma Vists in Arizona Counties



```
cmp <- hospitalData[hospitalData$Content.Area == "Carbon Monoxide Poisoning",]
ggplot(cmp, aes(x=Year, y=County.Value, color=County)) + geom_line() +
scale_x_date(date_labels = "%Y", date_breaks = "1 year")</pre>
```



```
asthma.wider <- hospital.wider %>% select(c(County.Year, Asthma))
asthma.data <- merge(asthma.wider, censusData)</pre>
```

```
# colnames(cor.data) <- c('x1', 'x2', 'x3', 'x4', 'x5', 'x6', 'x7', 'x8', 'x9',

# 'x10', 'x11', 'x12', 'x13', 'x14', 'x15', 'x16', 'x17',

# 'x18', 'x19', 'x20', 'x21', 'x22', 'x23', 'x24',

# 'x25', 'x26', 'x27', 'x28', 'x29', 'x30', 'x31', 'x32',

# 'x36', 'x37', 'x38', 'x39', 'x40', 'x41', 'x42', 'x43',

# 'x44', 'x45', 'x46',

# 'x47', 'x48', 'x49', 'x50', 'x51', 'x52', 'x53', 'x54',
```

```
# 'x55', 'x56', 'x57',

# 'x58', 'x59', 'x60', 'x61', 'x62', 'x63', 'x64', 'x65',

# 'x66', 'x67', 'x68',

# 'x69', 'x70', 'x71', 'x72', 'x73', 'x74', 'x75', 'x76',

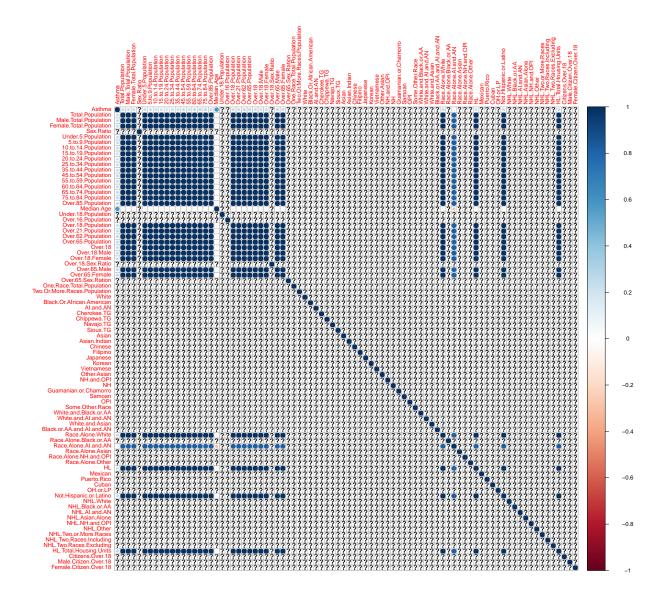
# 'x77', 'x78', 'x79',

# 'x80', 'x81', 'x82', 'x83', 'x84', 'x85', 'x86', 'x87',

# 'x88', 'x89', 'x90',

# 'x91', 'x92')
```

```
cor.data <- asthma.data %>% select(-c(County.Year, Year, County))
corrplot::corrplot(cor(cor.data), tl.cex = 0.8)
```



```
cor.v <- cor(cor.data)
pos.cor <- cor.v[cor.v > 0.5]
```