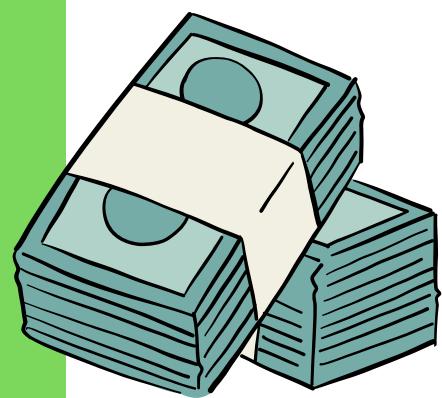




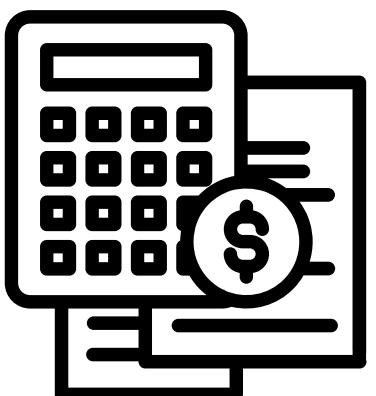
# INSURANCE DATA ANALYSIS DASHBOARD

Power BI Project



# AIM

The objective is to improve the agents' existing knowledge used for agent segmentation in a supervised predictive framework.



# SUMMARY PAGE - 1

## Power BI Insurance Data Analysis Dashboard

### Summary Stats



Year

All

Agency ID

3 9998

A slider control with two circular endpoints and a numerical range between them.

Commercial Lineses Insurance  
Crime Insurance  
Motorhome Insurance  
**Anniversary Insurance**  
Business Owners Policy  
Homeowners Insurance  
Dwelling Fire Insurance  
Personal Umbrella Insurance  
Garage Insurance  
Workers' Compensation Insurance  
Data Talk Insurance  
Mobile Home Insurance  
Yacht Insurance  
Anniversary Insurance 12  
Personal Inland Marine Insurance  
Motorhome Insurance Insurance (12-month)  
Snowmobile Insurance  
Commercial Lineses Insurance (12-month)  
Data Talk Insurance (12-month)  
Snowmobile Insurance (12-month)  
Personal Accident and Illness Protection Insurance

Total Premiums  
**3.94bn**

Loss Ratio  
**100.00%**

Retention Ratio  
**32.87%**

Total Policies Sold  
**35M**

Loss Ratio (3 Year)  
**55.85%**

Growth Rate (3 Year)  
**1.33%**

Page 2

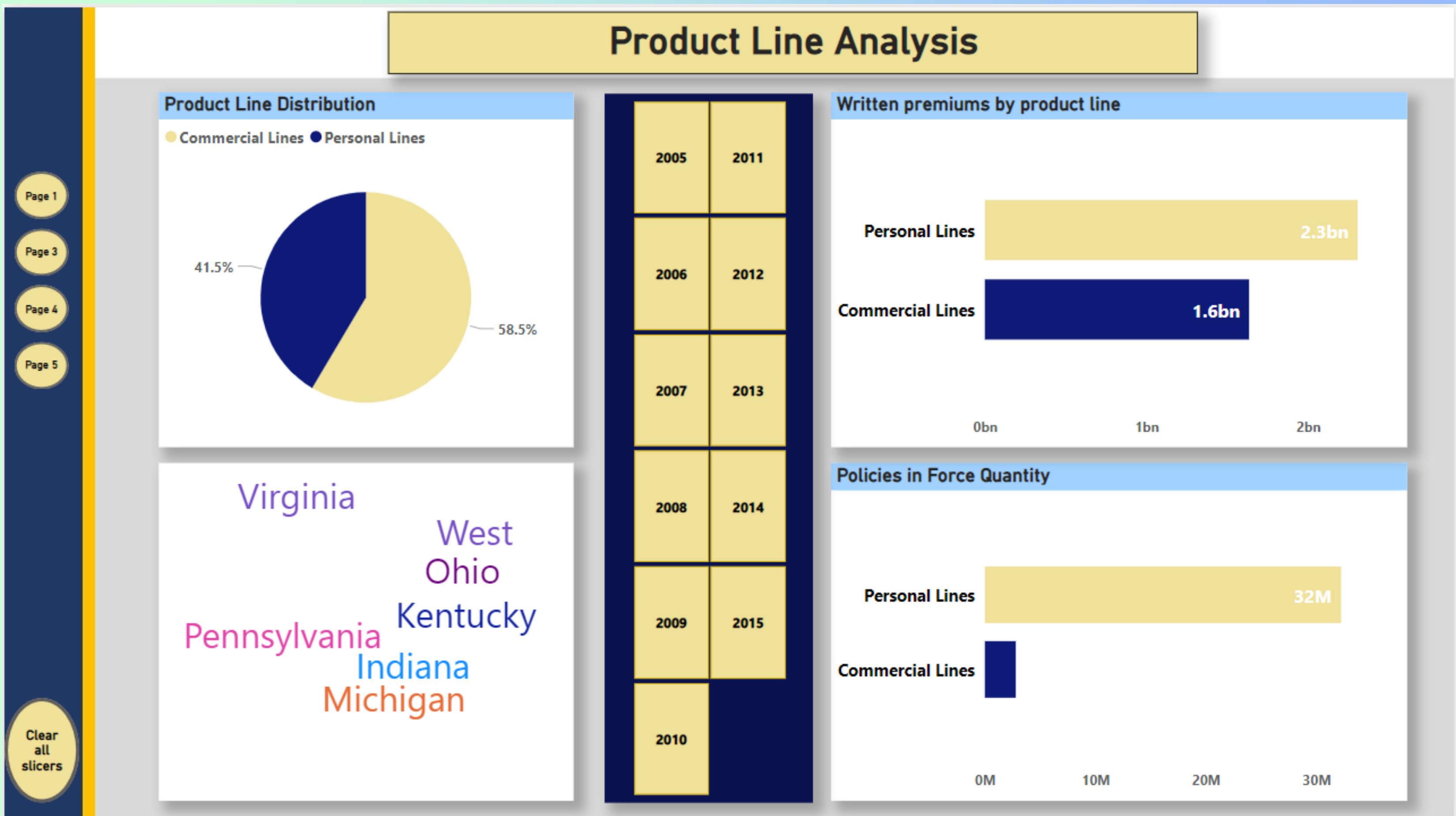
Page 3

Page 4

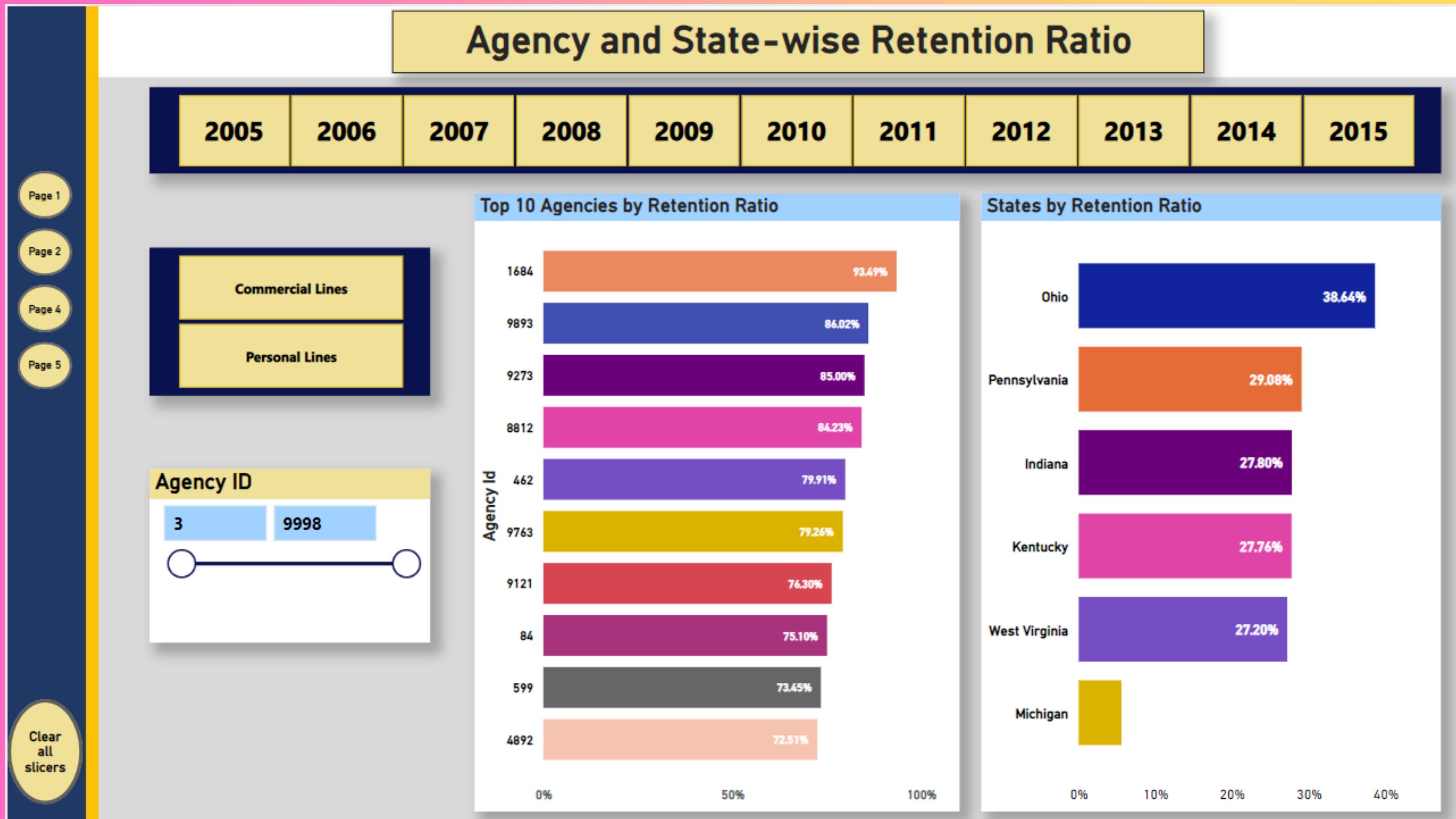
Page 5

Clear all  
slicers

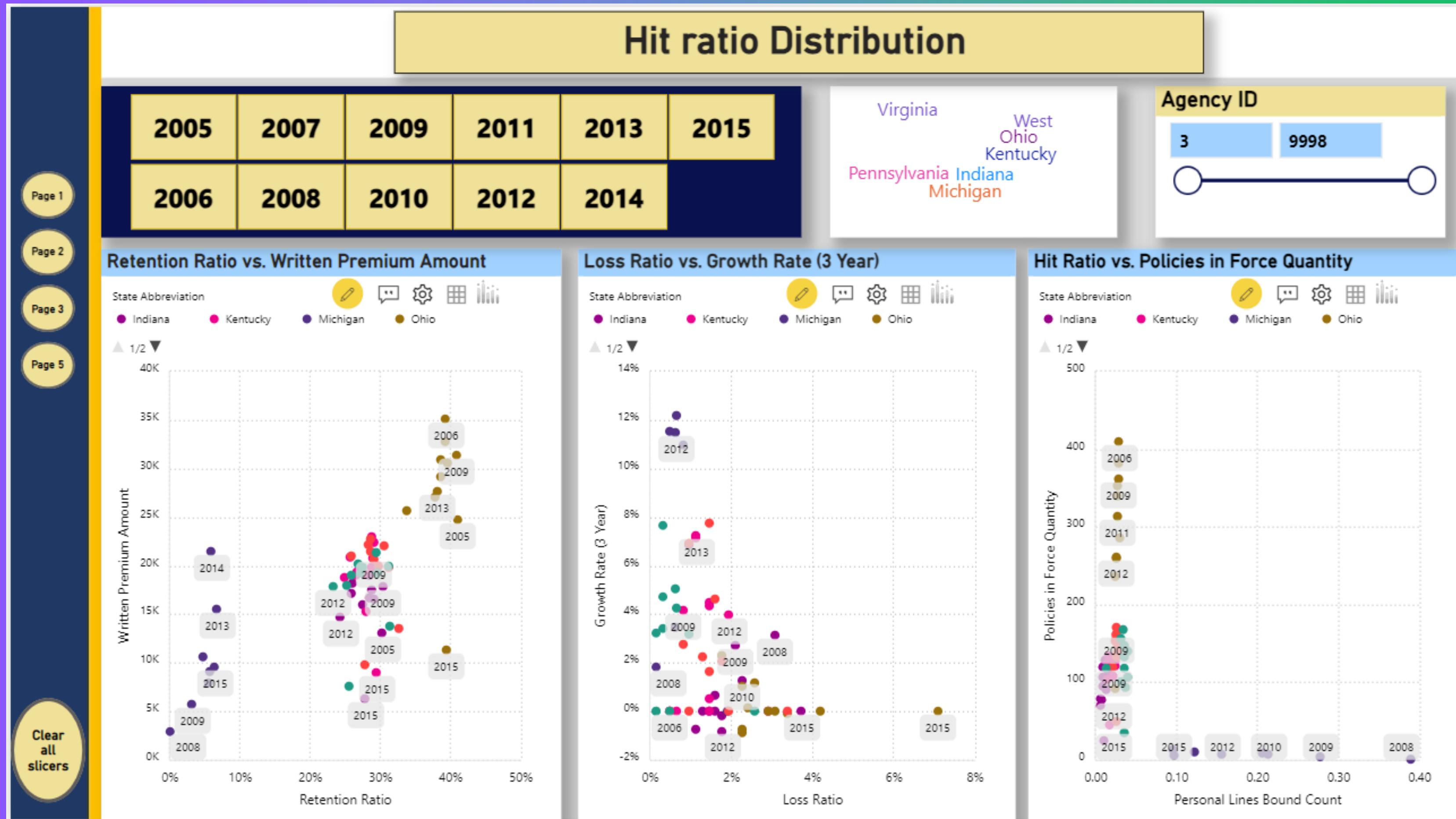
# PRODUCT LINE ANALYSIS PAGE - 2



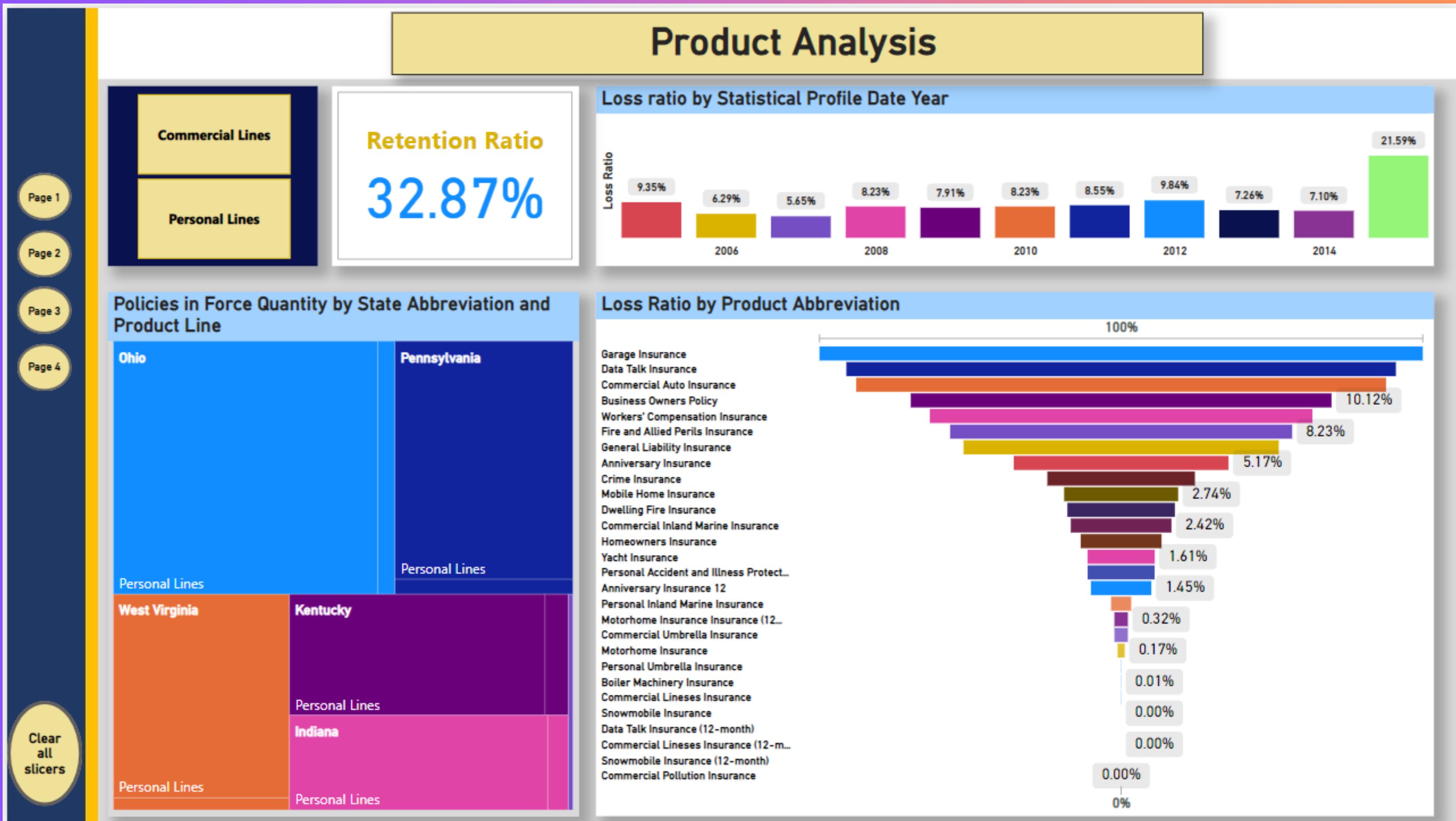
# AGENCY AND STATE - WISE RETNTION RATIO ANALYSIS PAGE - 3



# HIT RATIO DISTRIBUTION ANALYSIS PAGE - 4



# PRODUCT ANALYSIS PAGE - 5



# SUMMARY STATS



# STATS

Total Premiums

3.94bn

Total Policies Sold

35M

Loss Ratio

100.00%



# STATS

Growth Rate (3 Year)

1.33%

Retention Ratio

32.87%

Loss Ratio (3 Year)

55.85%

# SLICERS AND FILTERS

**Commercial Lines**

**Personal Lines**

**Indiana**

**Kentucky**

**Michigan**

**Ohio**

**Pennsylvania**

**West Virginia**

Commercial Lines Insurance  
Crime Insurance  
Motorhome Insurance  
**Anniversary Insurance**  
Business Owners Policy  
**Homeowners Insurance**  
Dwelling Fire Insurance  
Personal Umbrella Insurance  
Garage Insurance  
Workers' Compensation Insurance  
Data Talk Insurance  
Mobile Home Insurance  
Yacht Insurance  
Anniversary Insurance 12  
Personal Inland Marine Insurance  
Motorhome Insurance Insurance (12-month)  
Snowmobile Insurance  
Commercial Lines Insurance (12-month)  
Data Talk Insurance (12-month)  
Snowmobile Insurance (12-month)  
Personal Accident and Illness Protection Insurance

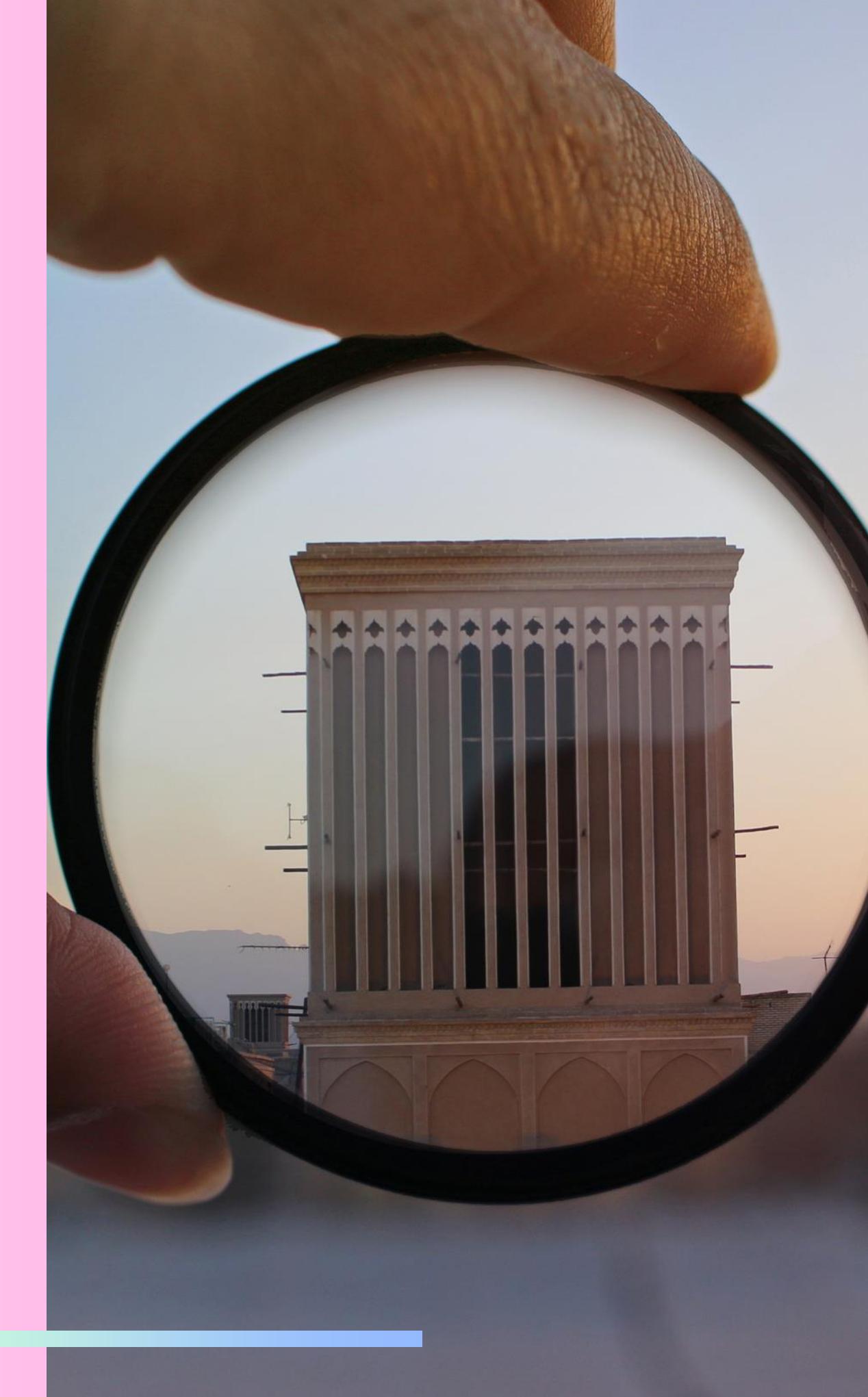
**Year**

All

**Agency ID**

3

9998



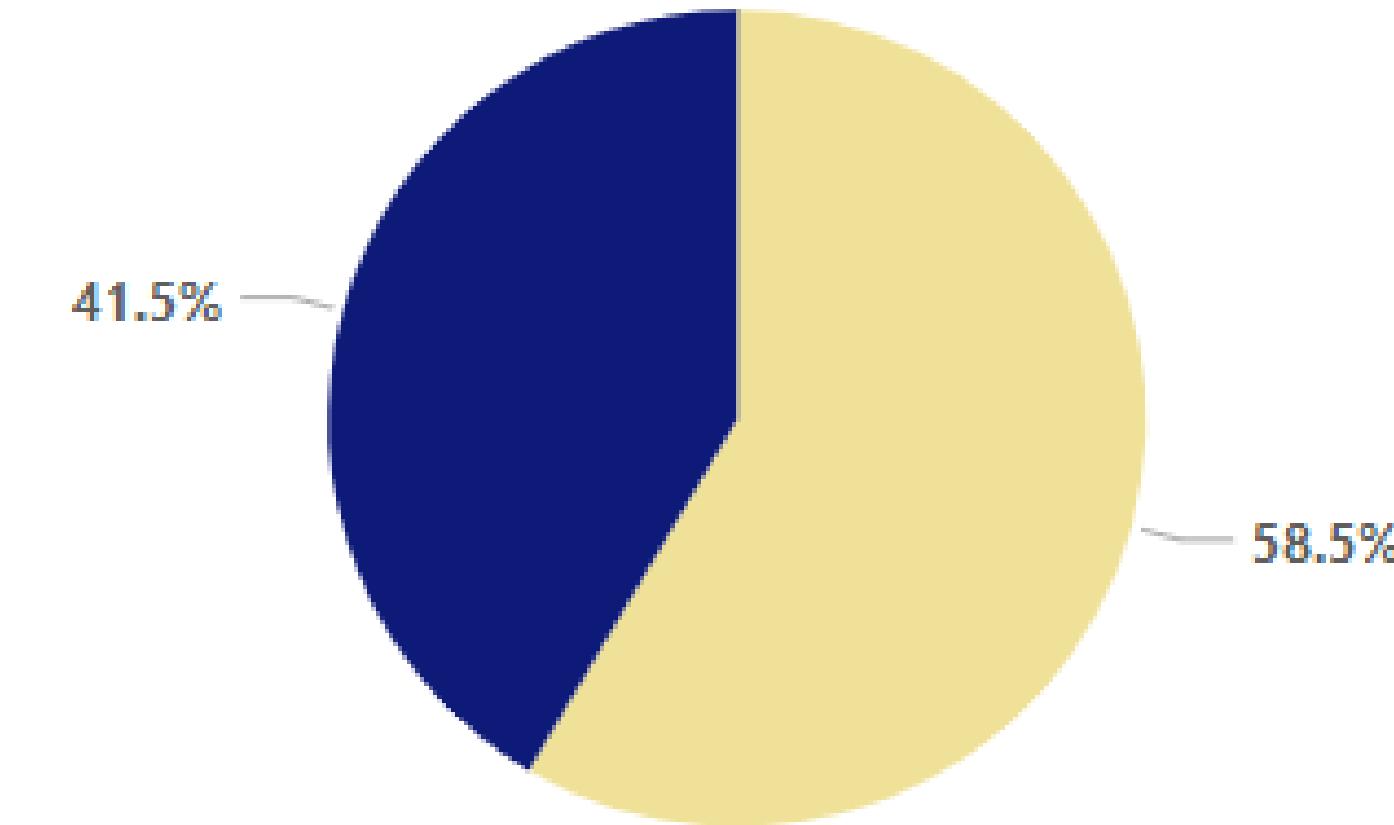
# PRODUCT LINE ANALYSIS



# PRODUCT LINE DISTRIBUTION

## Product Line Distribution

● Commercial Lines ● Personal Lines

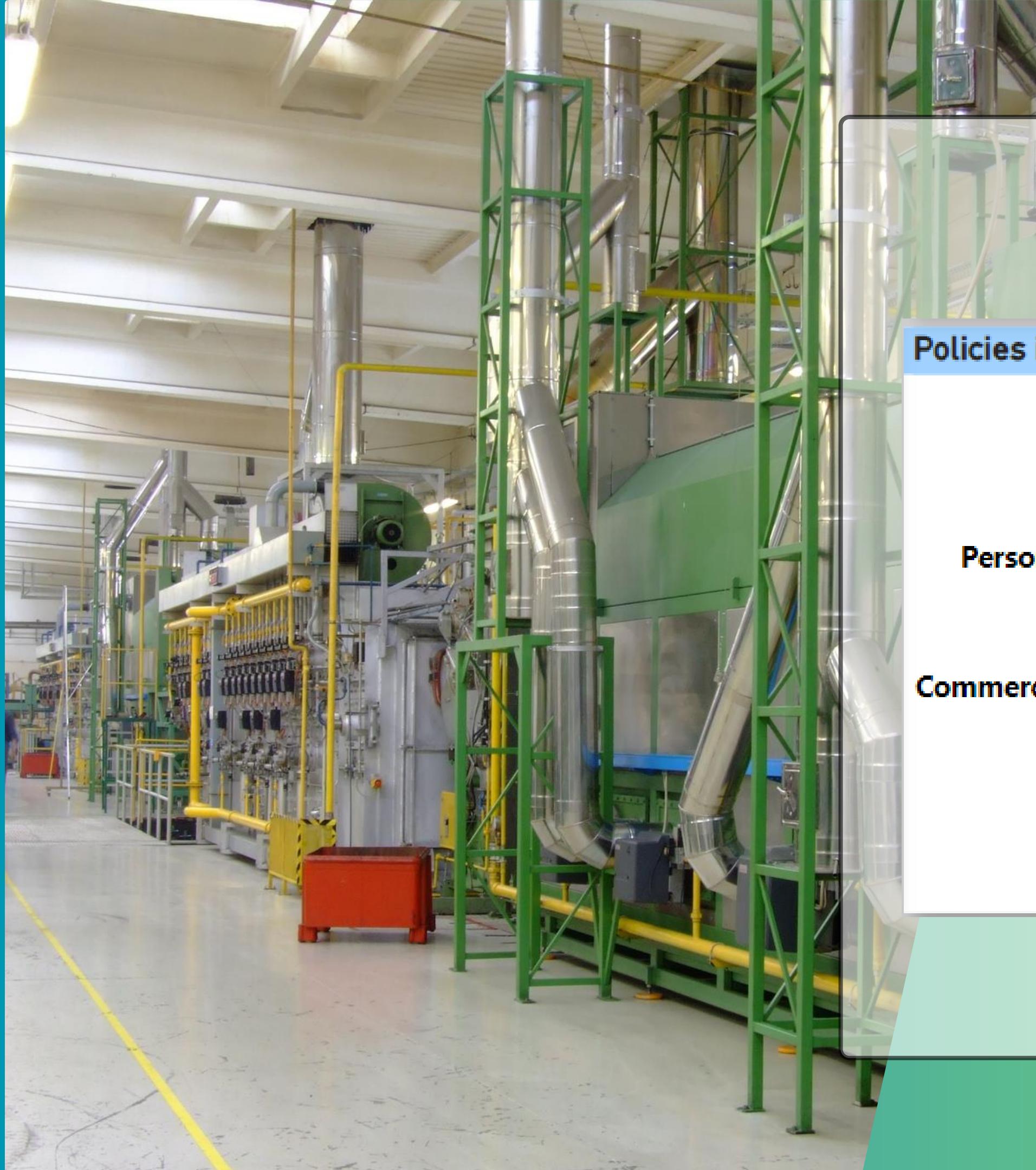




# WRITTEN PREMIUMS BY PRODUCT LINE

## Written premiums by product line





# POLICES IN FORCE QUANTITY

## Policies in Force Quantity

Personal Lines

32M

Commercial Lines



0M

10M

20M

30M

# SLICERS AND FILTERS

2005	2011
2006	2012
2007	2013
2008	2014
2009	2015
2010	

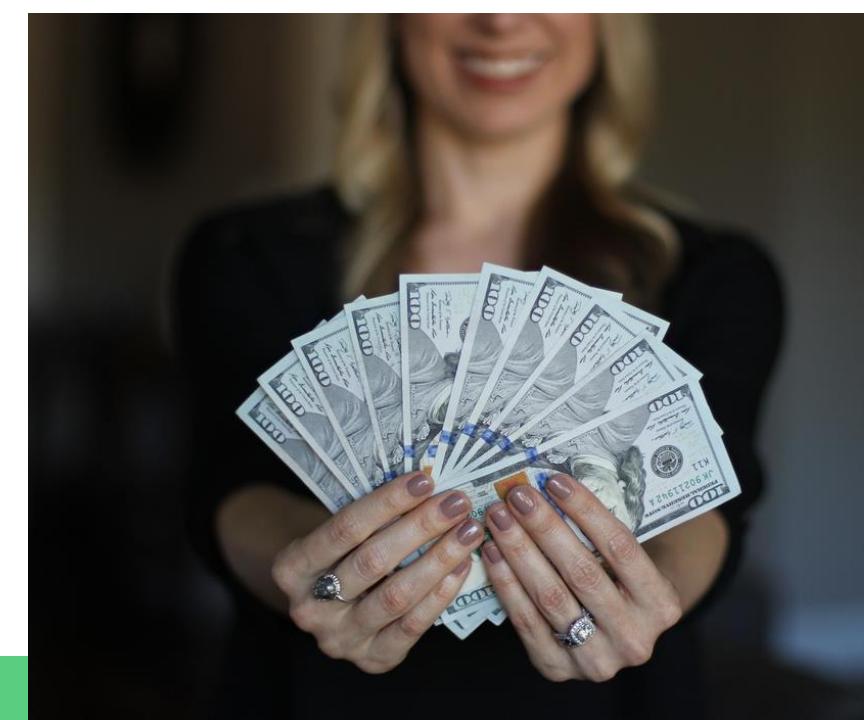
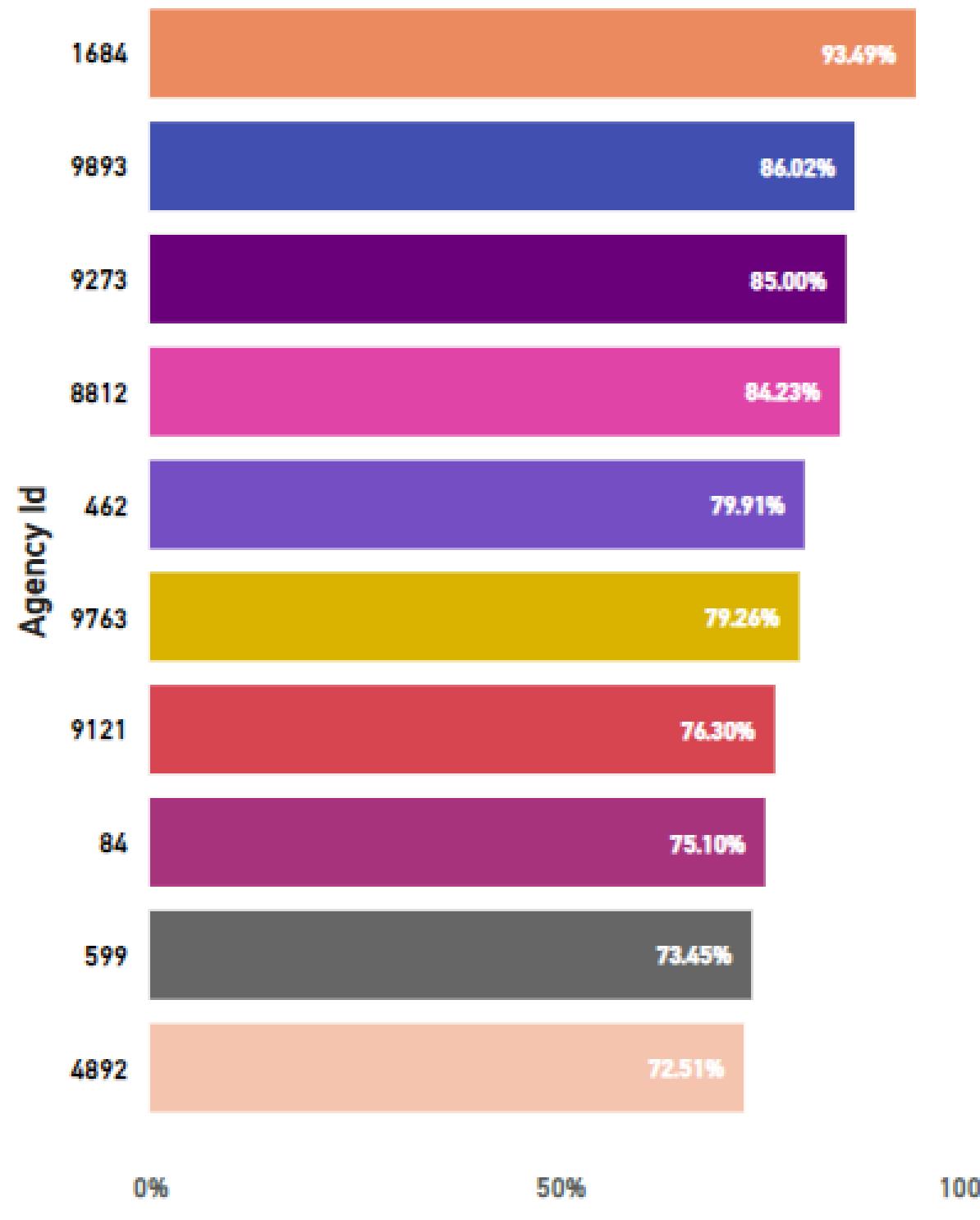
Virginia  
West  
Ohio  
Kentucky  
Pennsylvania  
Indiana  
Michigan



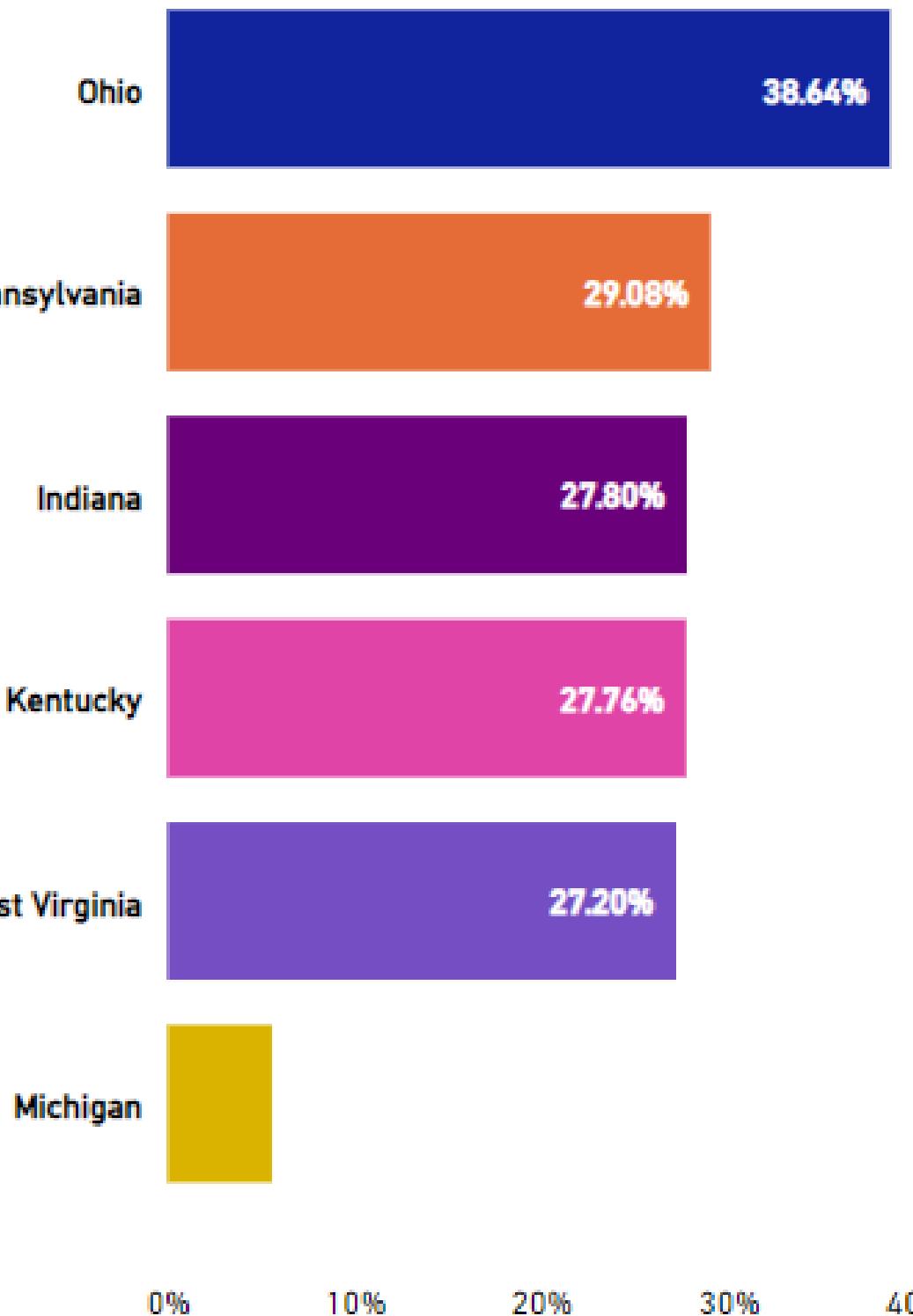
# AGENCY AND STATE WISE RETENTION RATIO



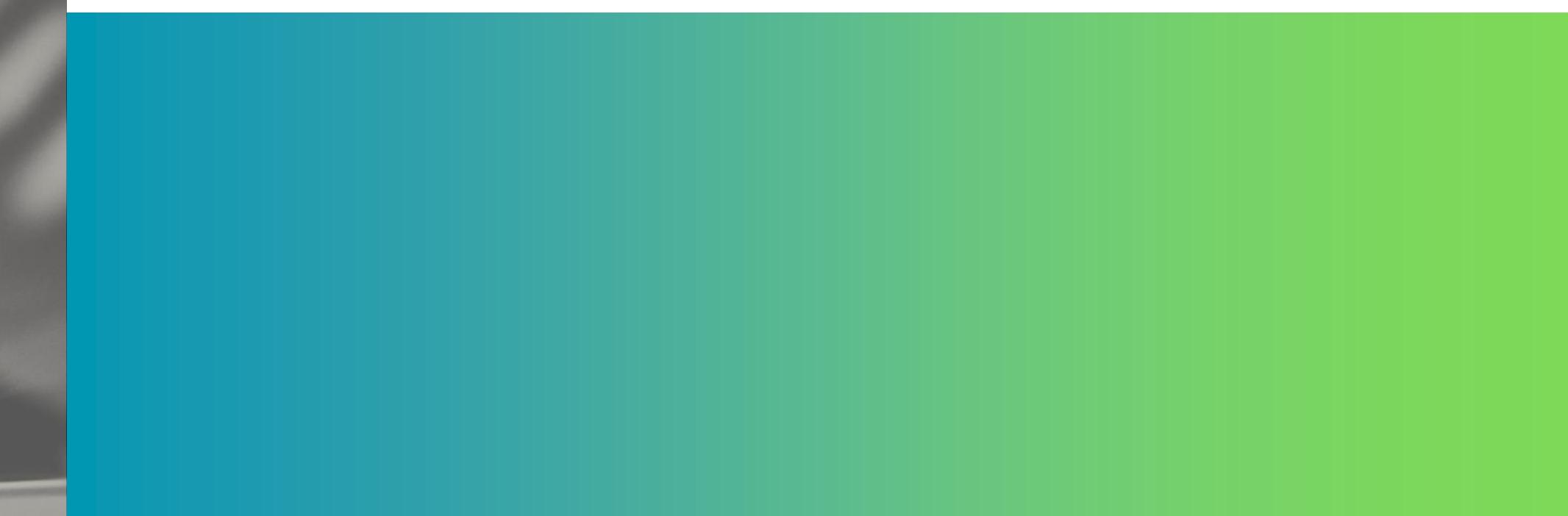
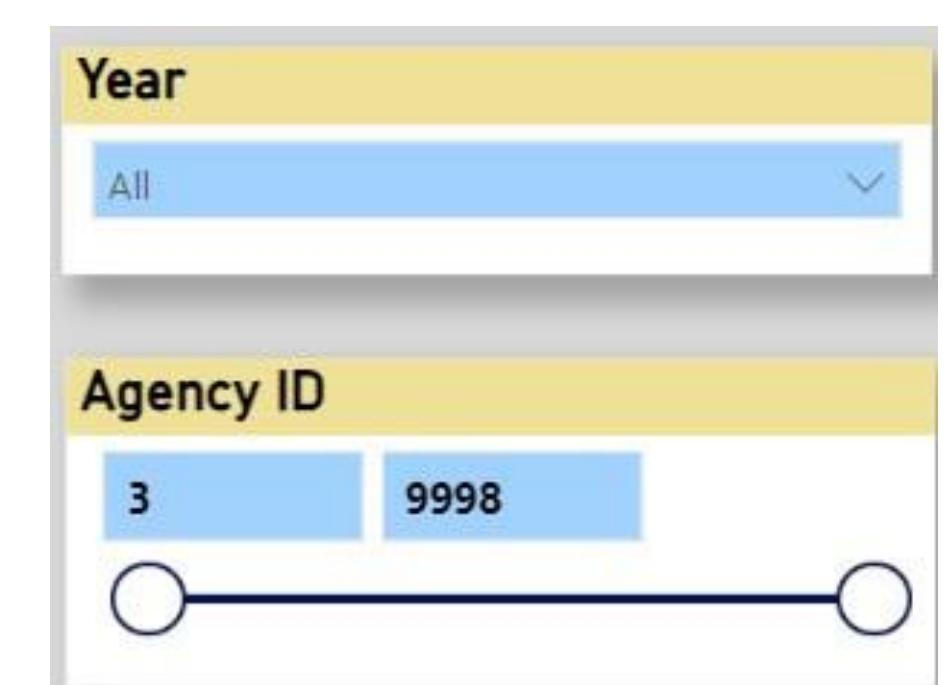
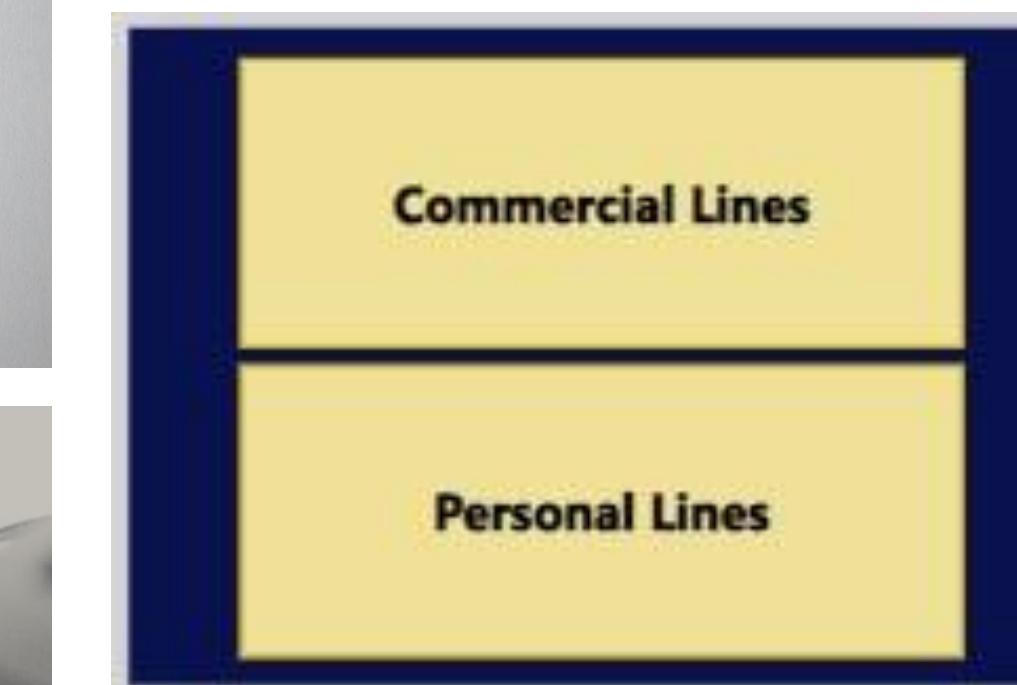
## Top 10 Agencies by Retention Ratio



## States by Retention Ratio



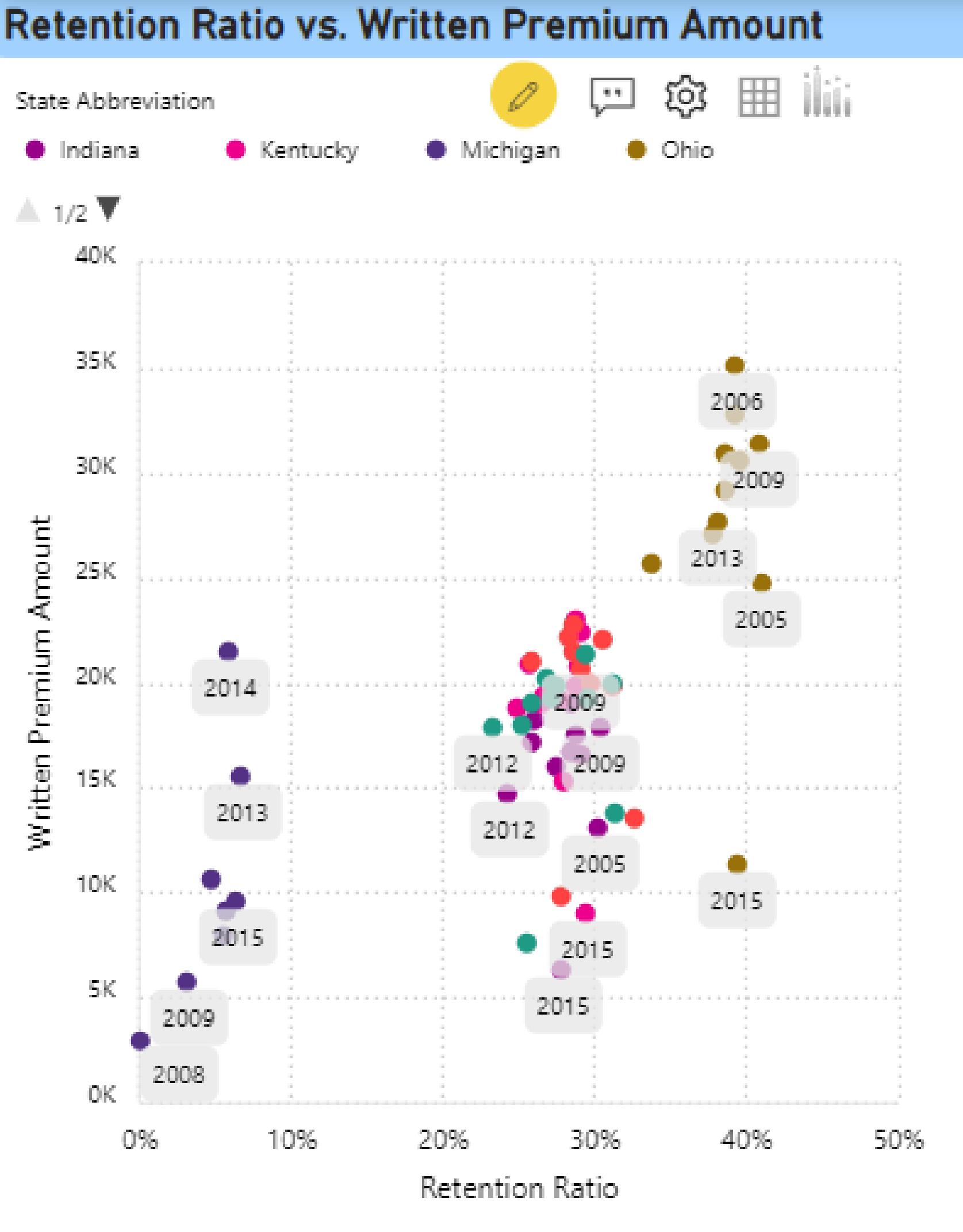
# SLICERS AND FILTERS



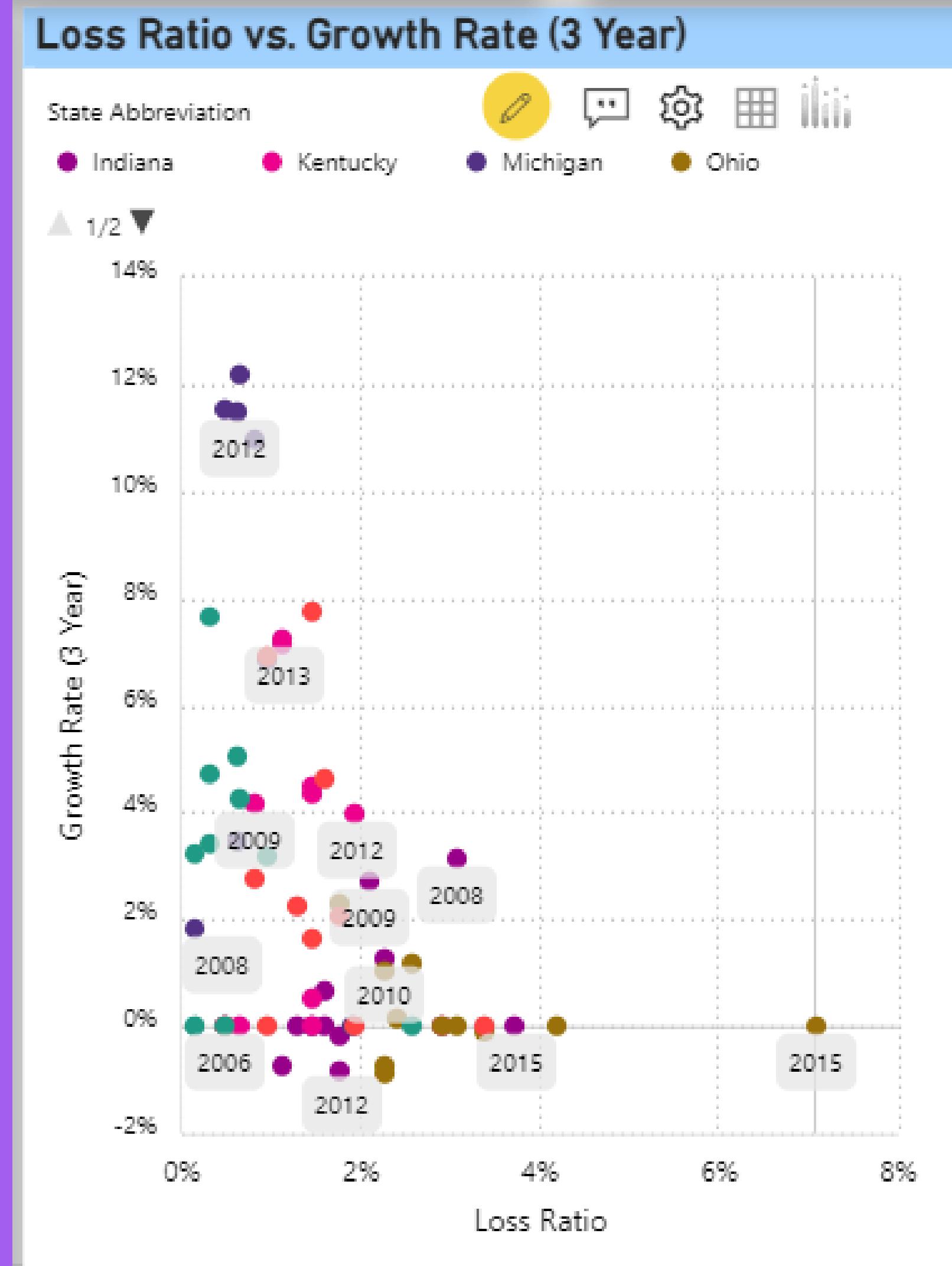
# HIT RATIO DISTRIBUTION



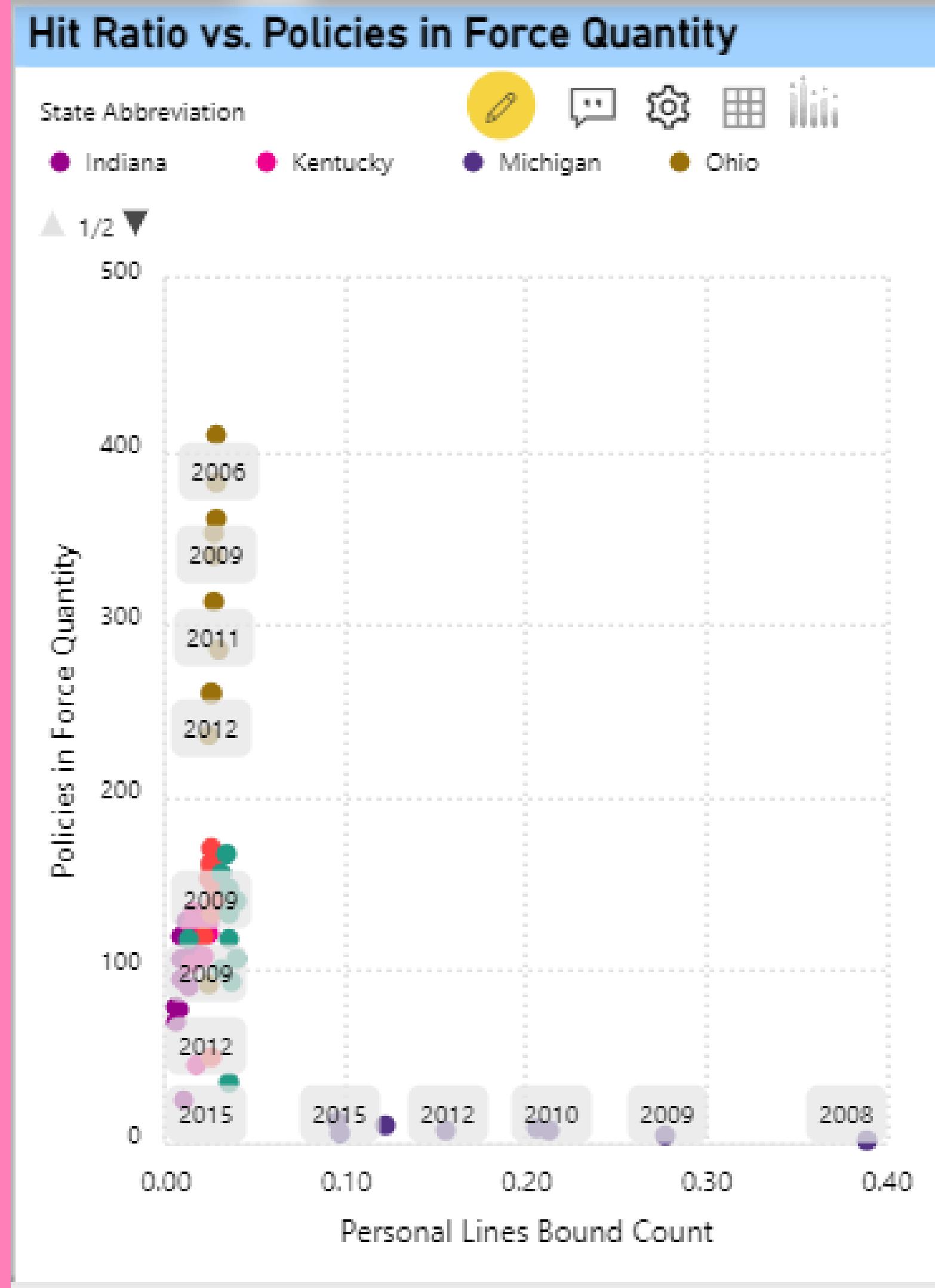
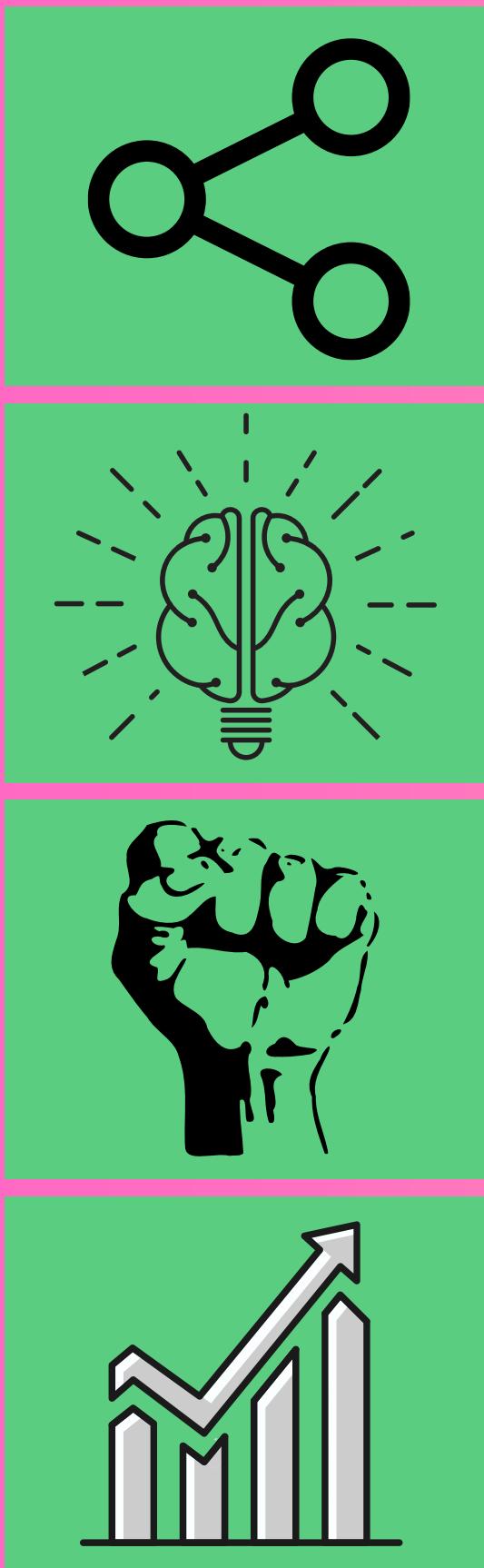
# RETENTION RATIO VS WRITTEN PREMIUM AMOUNT



# LOSS RATIO VS GROWTH RATE (3-YEARS)

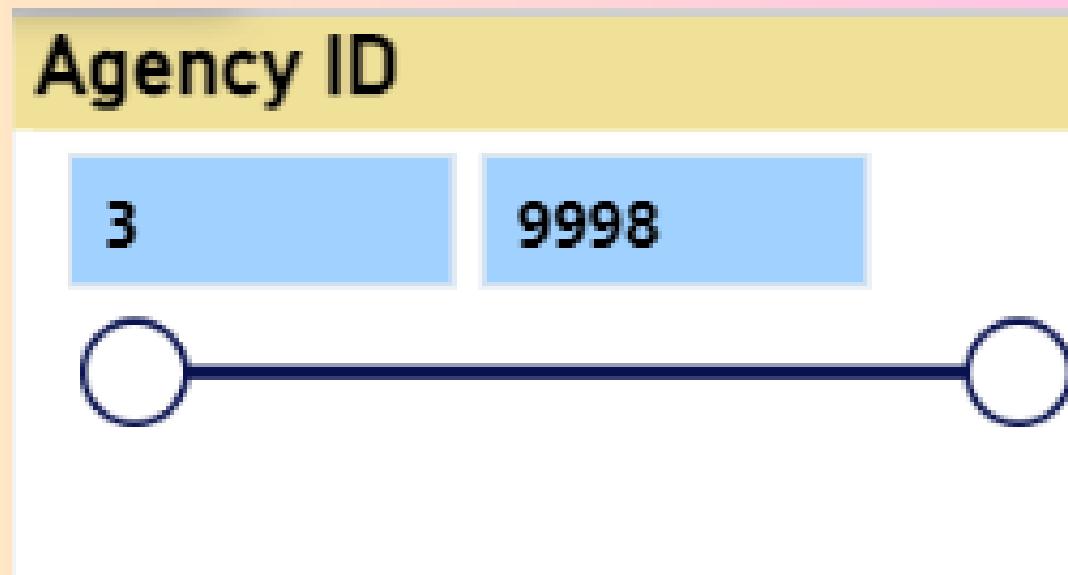


# HIT RATIO VS POLICIES IN FORCE QUANTITY

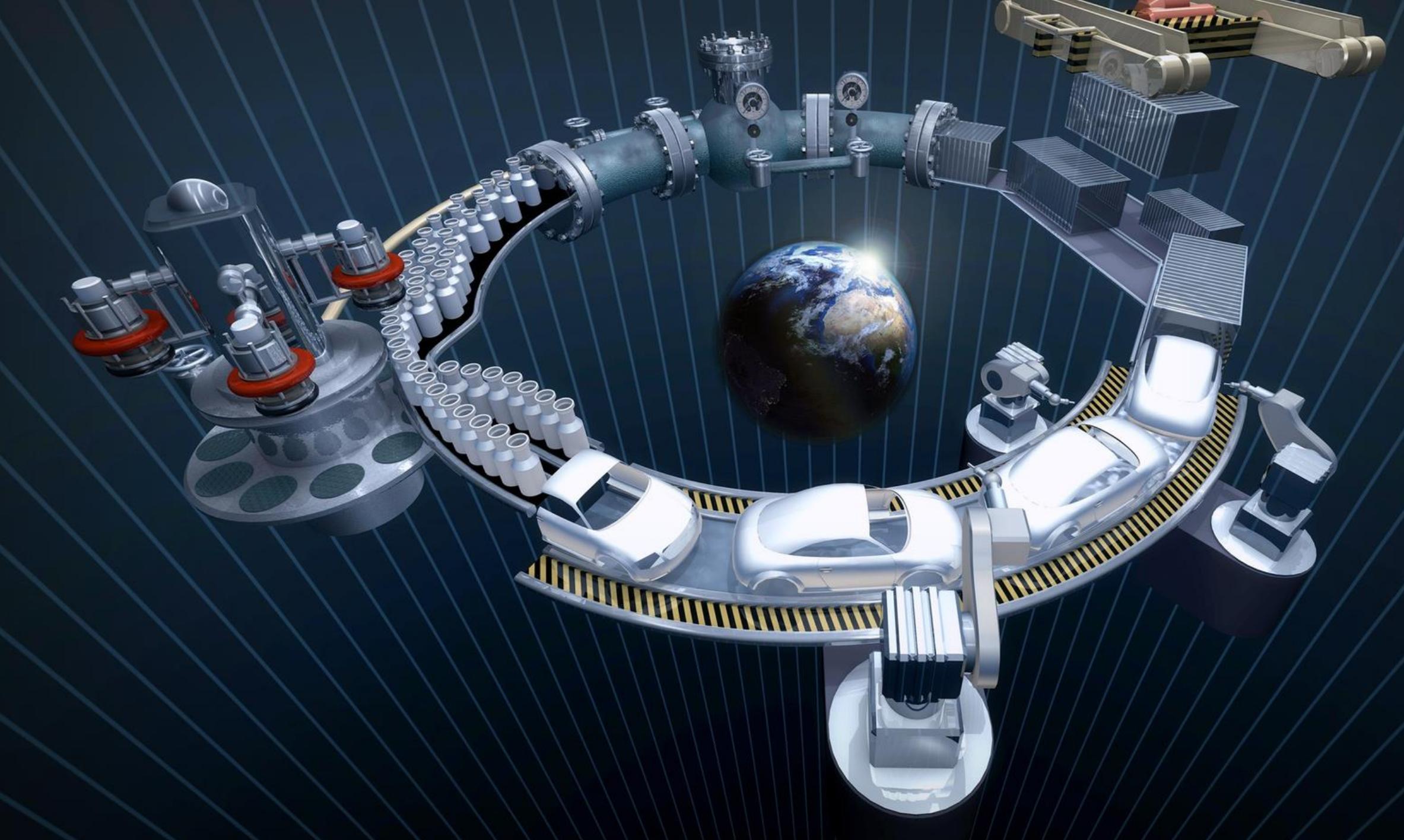


# SLICERS AND FILTERS

2005	2007	2009	2011	2013	2015
2006	2008	2010	2012	2014	

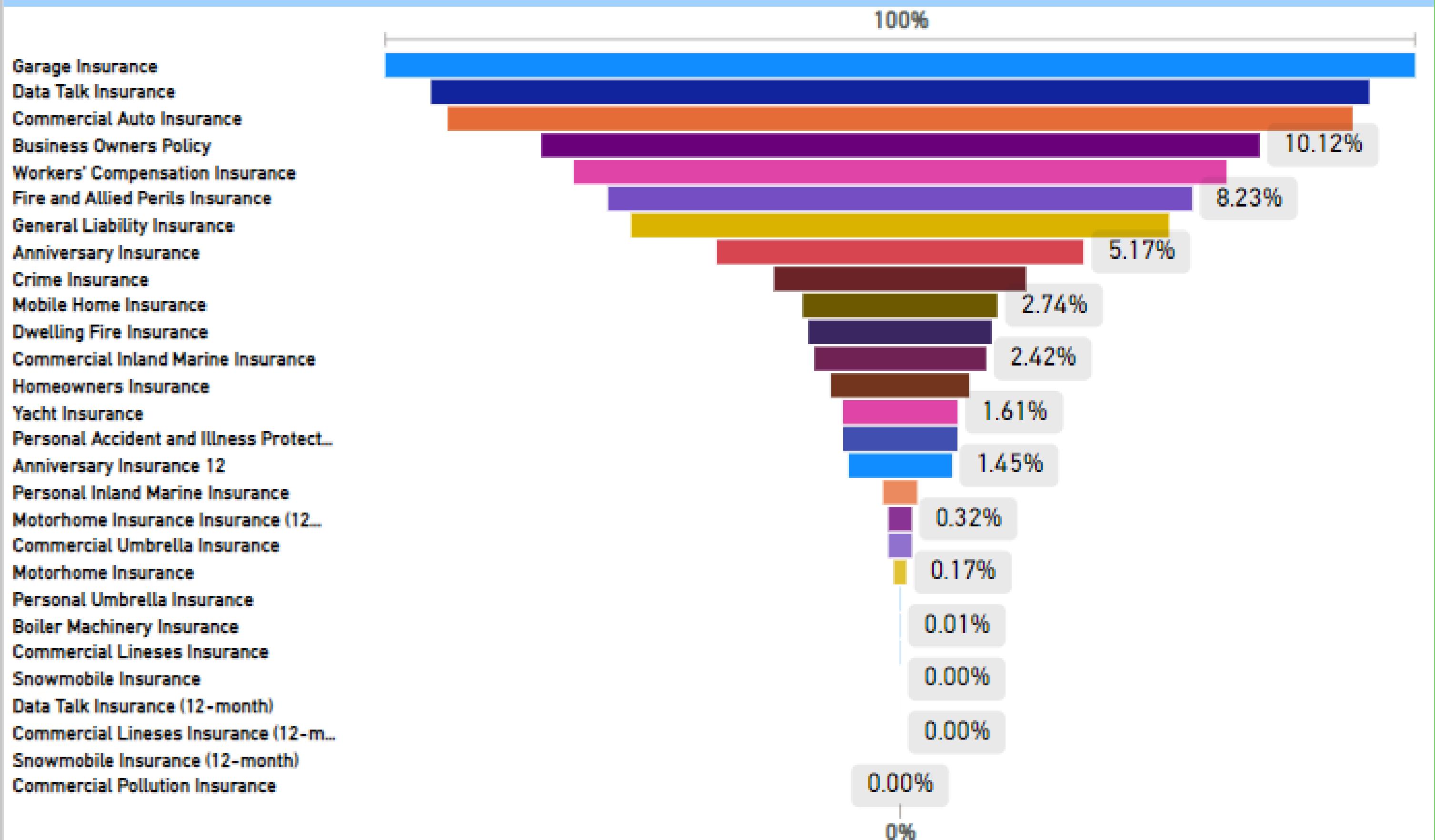


# PRODUCT ANALYSIS



loss ratio  
by  
product  
abbreviation

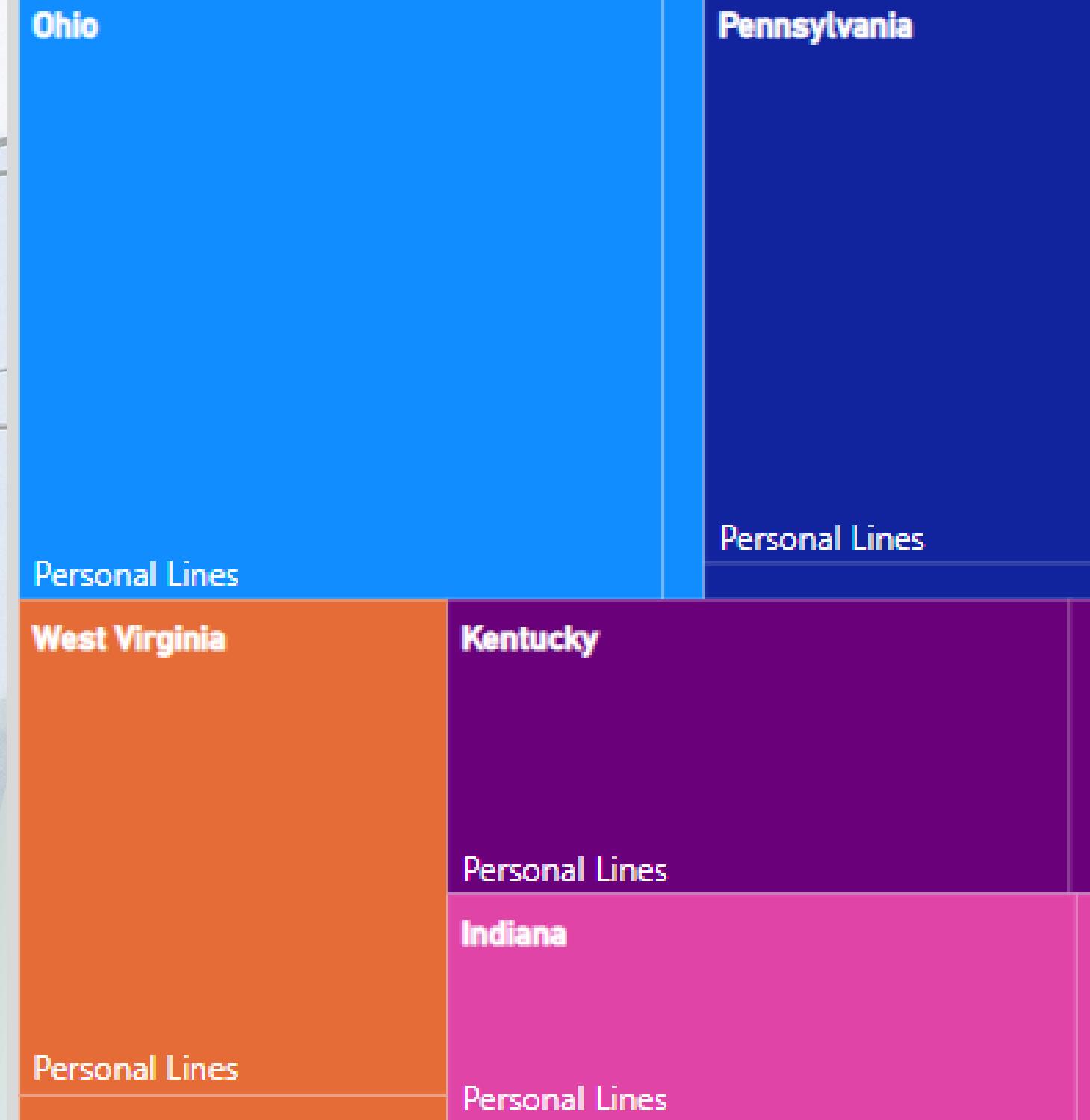
Loss Ratio by Product Abbreviation



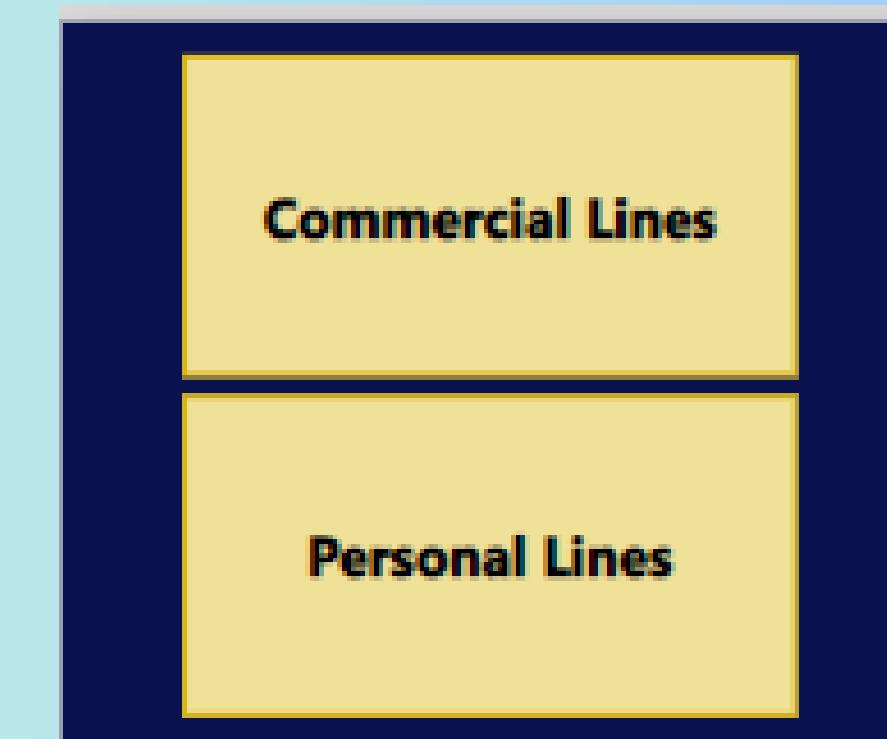
A photograph of two military helicopters, likely Mi-17s, parked on a runway. They are dark green with yellow markings on the tail rotors. The background shows a cloudy sky and some trees.

# POLICIES BY STATE AND PRODUCT LINE

## Policies in Force Quantity by State Abbreviation and Product Line



# LOSS RATIO, RETENTION RATIO AND YEAR



**Retention Ratio**  
**32.87%**

Loss ratio by Statistical Profile Date Year

