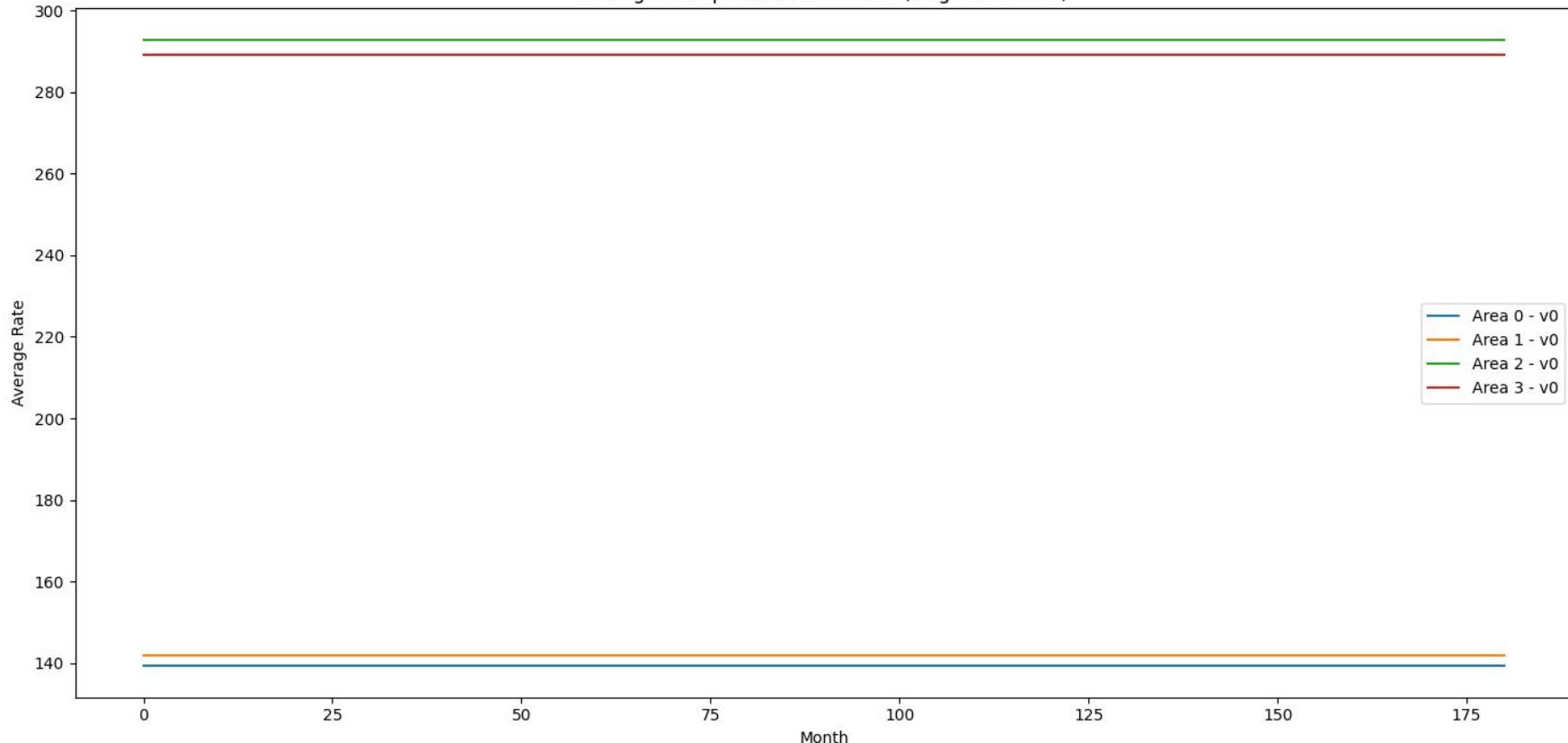
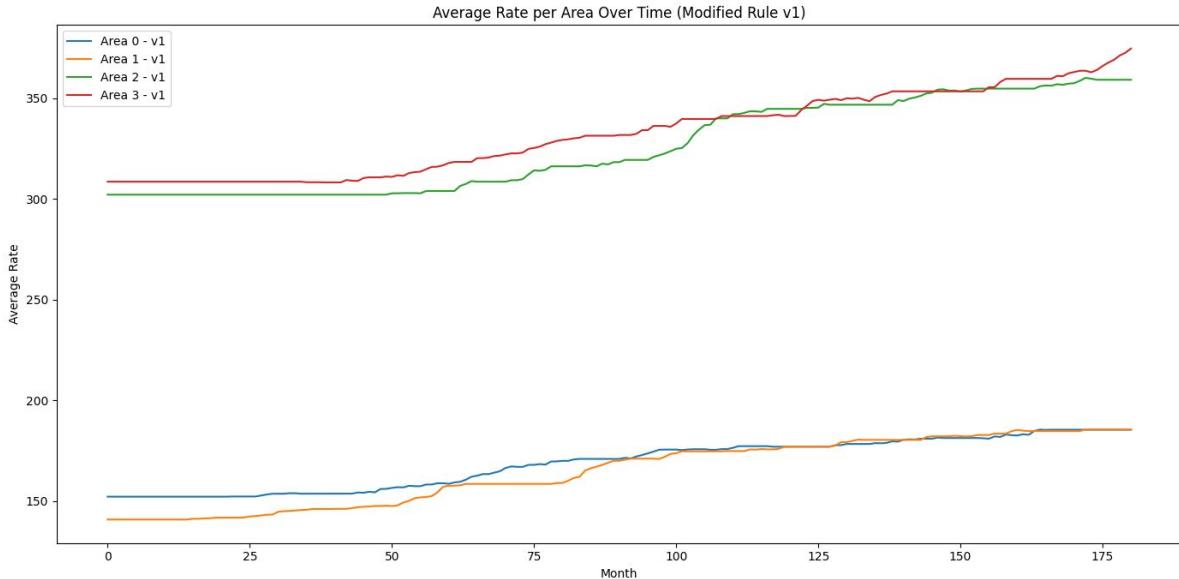


# Graph2\_v0: Original rule

Average Rate per Area Over Time (Original Rule v0)



# Graph2\_v1: Modified rule



## ORIGINAL RULE

```
place.price[self.step] = price  
# Rate does not change
```

## MODIFIED RULE

```
place.price[self.step] = price  
if self.use_modified_rule:  
    place.rate = place.rate *random.uniform(0.95, 1.15)
```

# Graph3

Distribution of the number of properties per host: Barcelona vs Madrid

