PCC Budget History Analysis

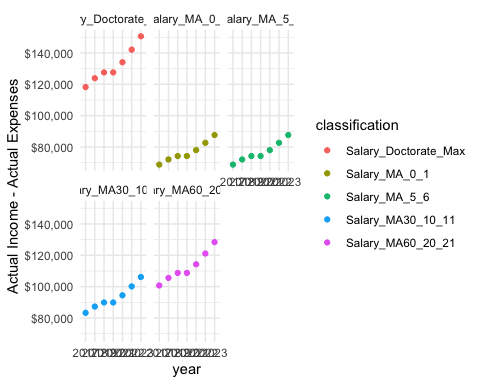
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only\_salary\_long %>%  
 group\_by(classification, year) %>%  
 summarize(mean\_salary = mean(salary, na.rm = TRUE))%>%  
 kable()

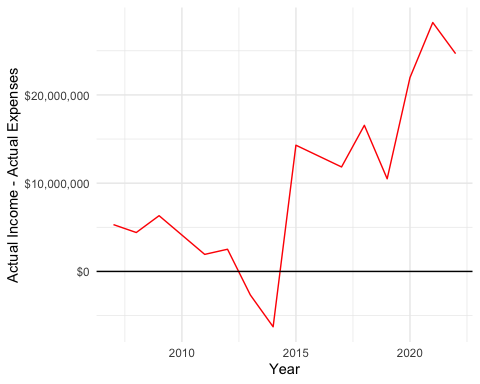
## `summarise()` has grouped output by 'classification'. You can override using  
## the `.groups` argument.

| classification | year | mean\_salary |
| --- | --- | --- |
| Salary\_Doctorate\_Max | 2017 | 115879.97 |
| Salary\_Doctorate\_Max | 2018 | 119738.74 |
| Salary\_Doctorate\_Max | 2019 | 123217.67 |
| Salary\_Doctorate\_Max | 2020 | 124761.71 |
| Salary\_Doctorate\_Max | 2021 | 129366.03 |
| Salary\_Doctorate\_Max | 2022 | 136467.85 |
| Salary\_Doctorate\_Max | 2023 | 146656.26 |
| Salary\_MA30\_10\_11 | 2017 | 87454.62 |
| Salary\_MA30\_10\_11 | 2018 | 90153.01 |
| Salary\_MA30\_10\_11 | 2019 | 92752.94 |
| Salary\_MA30\_10\_11 | 2020 | 94026.75 |
| Salary\_MA30\_10\_11 | 2021 | 97438.76 |
| Salary\_MA30\_10\_11 | 2022 | 103046.68 |
| Salary\_MA30\_10\_11 | 2023 | 110384.07 |
| Salary\_MA60\_20\_21 | 2017 | 107343.83 |
| Salary\_MA60\_20\_21 | 2018 | 110669.19 |
| Salary\_MA60\_20\_21 | 2019 | 113685.68 |
| Salary\_MA60\_20\_21 | 2020 | 115163.29 |
| Salary\_MA60\_20\_21 | 2021 | 119374.97 |
| Salary\_MA60\_20\_21 | 2022 | 126035.46 |
| Salary\_MA60\_20\_21 | 2023 | 135415.25 |
| Salary\_MA\_0\_1 | 2017 | 58253.50 |
| Salary\_MA\_0\_1 | 2018 | 60109.14 |
| Salary\_MA\_0\_1 | 2019 | 61922.85 |
| Salary\_MA\_0\_1 | 2020 | 62815.81 |
| Salary\_MA\_0\_1 | 2021 | 65159.69 |
| Salary\_MA\_0\_1 | 2022 | 69048.74 |
| Salary\_MA\_0\_1 | 2023 | 73841.68 |
| Salary\_MA\_5\_6 | 2017 | 70193.22 |
| Salary\_MA\_5\_6 | 2018 | 72310.88 |
| Salary\_MA\_5\_6 | 2019 | 74465.88 |
| Salary\_MA\_5\_6 | 2020 | 75518.56 |
| Salary\_MA\_5\_6 | 2021 | 78300.50 |
| Salary\_MA\_5\_6 | 2022 | 83008.49 |
| Salary\_MA\_5\_6 | 2023 | 88746.79 |



#Import and organize Budget Data  
budget\_differential <- budget\_data %>%  
 mutate(Actual\_Cost\_minus\_expenses = `Actual Total Income`- `Actual Total Expenses`,  
 Budget\_Cost\_minus\_expenses = `Budget Total Income`- `Budget Total Expenses`)  
  
budget\_clean <- pivot\_longer(data = budget\_differential,   
 cols = 'Actual Total Income':'Budget\_Cost\_minus\_expenses',  
 names\_to = "Category",  
 values\_to = "Amount")  
  
actual\_differential <- budget\_clean %>%   
 filter(Category %in% c("Actual\_Cost\_minus\_expenses"))  
  
  
actual\_differential <- actual\_differential%>% filter(!is.na(Amount))

## The District’s Income Has Significantly Exceeded Its Expenses Since 2015



**Figure 1:** Difference between the Total Actual Income and the Total Actual Expenses from 2007 to 2024. *Source:* [*https://pasadena.edu/business-administrative-services/fiscal-services/budget-forecast-analysis.php*](https://pasadena.edu/business-administrative-services/fiscal-services/budget-forecast-analysis.php)