**Research Associate Excel Task #1: Support for Garden Grove Schools**

**Context**: The superintendent of Garden Grove Schools is worried that the number of teachers leaving her school district is too high. She believes the neighboring school districts have fewer teachers leaving each year. She is also curious if there are differences in the average teacher salaries between her school district and the neighboring school districts.

The superintendent asked Marzano Research to help her look into the data and provide information she could use to make decisions and share with her school board, teachers, and the community. She has specifically asked for assistance to visualize how the number of teachers leaving her district and the neighboring school districts might differ over time. She would also like to see how average teacher salaries compare between her school district and the neighboring school districts over time.

**Instructions**: Use the data below to create two charts that show how the percentage of teachers leaving each district and the average teacher salaries for each district changes over time. Keep in mind that the audience for the charts is school board members, teachers, and the community. You can create the charts in whichever software you prefer.

Chart 1: percentage of teachers leaving each district changes over time

Chart 2: average salary changes over time

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| --- | --- | --- | --- |
| ***District*** | ***Year*** | ***Teachers Leaving*** | ***Average Pay*** |
| Central City District | 2015 | 14.2% | $51,538 |
| Central City District | 2016 | 11.5% | $54,153 |
| Central City District | 2017 | 10.4% | $56,341 |
| Central City District | 2018 | 15.1% | $57,714 |
| Central City District | 2019 | 13.4% | $58,412 |
| Central City District | 2020 | 13.4% | $59,153 |
| Central City District | 2021 | 13.4% | $61,353 |
| Garden Grove Schools | 2015 | 25.0% | $44,231 |
| Garden Grove Schools | 2016 | 24.2% | $44,999 |
| Garden Grove Schools | 2017 | 21.9% | $45,835 |
| Garden Grove Schools | 2018 | 25.6% | $46,532 |
| Garden Grove Schools | 2019 | 30.0% | $47,464 |
| Garden Grove Schools | 2020 | 32.6% | $48,253 |
| Garden Grove Schools | 2021 | 33.9% | $52,513 |
| Jackson City Schools | 2015 | 22.6% | $50,637 |
| Jackson City Schools | 2016 | 16.1% | $55,736 |
| Jackson City Schools | 2017 | 15.9% | $56,364 |
| Jackson City Schools | 2018 | 8.2% | $58,264 |
| Jackson City Schools | 2019 | 16.1% | $58,998 |
| Jackson City Schools | 2020 | 14.4% | $59,845 |
| Jackson City Schools | 2021 | 13.3% | $60,642 |
| Douglas Unified Schools | 2015 | 11.5% | $55,364 |
| Douglas Unified Schools | 2016 | 8.2% | $57,374 |
| Douglas Unified Schools | 2017 | 10.2% | $58,474 |
| Douglas Unified Schools | 2018 | 8.4% | $60,464 |
| Douglas Unified Schools | 2019 | 8.1% | $63,464 |
| Douglas Unified Schools | 2020 | 7.4% | $65,256 |
| Douglas Unified Schools | 2021 | 6.7% | $68,464 |