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### Visualization task 1

data source: <https://www.kaggle.com/murderaccountability/homicide-reports>

#### **Part 1**

1. Tableau Public graph, 1 categorical, 1 continuous variables  
[https://public.tableau.com/views/1\\_PerpetratorAvgAgeByWeapon/Sheet1?:embed=y&:display\\_count=yes](https://public.tableau.com/views/1_PerpetratorAvgAgeByWeapon/Sheet1?:embed=y&:display_count=yes)
2. Tableau Public graph, 1 categorical, 2 continuous variables  
[https://public.tableau.com/views/2\\_Numberofreportedmurderandperpetratorageperweapontype/Sheet9?:embed=y&:display\\_count=yes](https://public.tableau.com/views/2_Numberofreportedmurderandperpetratorageperweapontype/Sheet9?:embed=y&:display_count=yes)
3. Excel graph, 1 categorical, 1 continuous variables  
<https://github.com/InnaHB/visualization-class/blob/master/avgPerpetratorAgeByWeaponPivot.xlsx>
4. Python graph 1 categorical, 1 continuous variables  
<https://github.com/InnaHB/visualization-class/blob/master/AvgVictimAgeByWeapon.ipynb>

#### **Part 2**

the explanations for each graph appear in the caption of the graph in Tableau

1. [https://public.tableau.com/views/1\\_NumberofReportedMurderPerYear/Sheet7?:embed=y&:display\\_count=yes](https://public.tableau.com/views/1_NumberofReportedMurderPerYear/Sheet7?:embed=y&:display_count=yes)
2. [https://public.tableau.com/views/2\\_NumberofReportedMurderPerMonth/Sheet6?:embed=y&:display\\_count=yes](https://public.tableau.com/views/2_NumberofReportedMurderPerMonth/Sheet6?:embed=y&:display_count=yes)
3. [https://public.tableau.com/views/3\\_victimvs\\_perpetratoragebyweapontype/Sheet8?:embed=y&:display\\_count=yes](https://public.tableau.com/views/3_victimvs_perpetratoragebyweapontype/Sheet8?:embed=y&:display_count=yes)
4. [https://public.tableau.com/views/4\\_AmountofReportedMurderByVictim-PerpetratorRelationshipType/Sheet10?:embed=y&:display\\_count=yes](https://public.tableau.com/views/4_AmountofReportedMurderByVictim-PerpetratorRelationshipType/Sheet10?:embed=y&:display_count=yes)