|  |  |  |  |
| --- | --- | --- | --- |
| **Property Table- Raw** | | | |
| Property Name | Sale Price | Bed Room | Zip Code |
| ABC | 15,000 | 3 | 08812 |
| BCD | 20,000 | 2 | 08812 |
| ZDDE | 45,000 | 4 | 08812 |
| DCF | 60,000 | 5 | 08812 |
| RFV | 30,000 | 3 | 07011 |
| RFC | 23,000 | 2.5 | 07011 |
| WDEF | 23,000 | 2 | 07011 |
| DCF | 56,000 | 3.5 | 07011 |
| ERTY | 45,000 | 3 | 07011 |
| DFGT | 60,000 | 5 | 07011 |

# Data massaging to group data per ZIP code and Get the data per 3 BD (Extrapolation of Data)

# 3BD\_Price= (Sales\_Price/Bed Room)\*3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Property Table- Mass\_1** | | | | |
| Property Name | Sale Price | Bed Room | 3BD\_Price | Zip Code |
| ABC | 15,000 | 3 | 15,000 | 08812 |
| BCD | 20,000 | 2 | 30,000 | 08812 |
| ZDDE | 45,000 | 4 | 33,750 | 08812 |
| DCF | 60,000 | 5 | 36,000 | 08812 |
| RFV | 30,000 | 3 | 30,000 | 07011 |
| RFC | 23,000 | 2.5 | 27,600 | 07011 |
| WDEF | 23,000 | 2 | 34,500 | 07011 |
| DCF | 56,000 | 3.5 | 48,000 | 07011 |
| ERTY | 45,000 | 3 | 45,000 | 07011 |
| DFGT | 60,000 | 5 | 36,000 | 07011 |

# Avg\_3BD\_Price\_ZipCode = Sum of all the 3BD Price / Number of row count per ZipCode

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Property Table- Mass\_2** | | | | | |
| Property Name | Sale Price | Bed Room | 3BD\_Price | Zip Code | Avg\_3BD\_Price\_ZipCode |
| ABC | 15,000 | 3 | 15,000 | 08812 | 114,750/4 = **28,687.5** |
| BCD | 20,000 | 2 | 30,000 | 08812 |
| ZDDE | 45,000 | 4 | 33,750 | 08812 |
| DCF | 60,000 | 5 | 36,000 | 08812 |
| RFV | 30,000 | 3 | 30,000 | 07011 | 221,100/6 = **36,850** |
| RFC | 23,000 | 2.5 | 27,600 | 07011 |
| WDEF | 23,000 | 2 | 34,500 | 07011 |
| DCF | 56,000 | 3.5 | 48,000 | 07011 |
| ERTY | 45,000 | 3 | 45,000 | 07011 |
| DFGT | 60,000 | 5 | 36,000 | 07011 |

# School Dist data based on Zip\_Code (<https://developer.schooldigger.com/?r=schooldigger>)

<https://nces.ed.gov/ccd/districtsearch/district_list.asp?Search=1&details=1&InstName=&DistrictID=&Address=&City=&State=34&Zip=&Miles=&County=&PhoneAreaCode=&Phone=&DistrictType=1&DistrictType=2&DistrictType=3&DistrictType=4&DistrictType=5&DistrictType=6&DistrictType=7&DistrictType=8&NumOfStudents=&NumOfStudentsRange=more&NumOfSchools=&NumOfSchoolsRange=more>

**School digger API Call**

{

"rankYear": 2017,

"rankYearCompare": 2016,

"rankYearsAvailable": [

2017,

2016,

2015,

2013,

2012,

2011,

2010,

2009,

2008,

2007,

2006,

2005,

2004

],

"numberOfSchools": 1056,

"numberOfPages": 352,

"schoolList": [

{

"schoolid": "530771003390",

"schoolName": "Cascadia Elementary",

"phone": "(206) 252-5914",

"url": "https://www.schooldigger.com/go/WA/schools/0771003390/school.aspx",

"urlCompare": "https://www.schooldigger.com/go/WA/schools/0771003390/search.aspx",

"address": {

"street": "4400 Interlake Avenue N",

"city": "Seattle",

"state": "WA",

"stateFull": "Washington",

"zip": "98103",

"zip4": "",

"cityURL": "https://www.schooldigger.com/go/WA/city/Seattle/search.aspx",

"zipURL": "https://www.schooldigger.com/go/WA/zip/98103/search.aspx",

"html": "4400 Interlake Avenue N  
Seattle, WA 98103"

},

"lowGrade": "K",

"highGrade": "5",

"schoolLevel": "Elementary",

"isCharterSchool": "No",

"isMagnetSchool": "(n/a)",

"isVirtualSchool": "No",

"isTitleISchool": "No",

"isTitleISchoolwideSchool": "(n/a)",

"district": {

"districtID": "5307710",

"districtName": "Seattle Public Schools",

"url": "https://www.schooldigger.com/go/WA/district/07710/search.aspx",

"rankURL": "https://www.schooldigger.com/go/WA/districtrank.aspx?finddistrict=07710"

},

"county": {

"countyName": "King",

"countyURL": "https://www.schooldigger.com/go/WA/county/King/search.aspx"

},

"rankHistory": [

{

"year": 2017,

"rank": 1,

"rankStars": 5,

"rankLevel": "Elementary",

"averageStandardScore": 98.64868

},

{

"year": 2016,

"rank": 4,

"rankStars": 5,

"rankLevel": "Elementary",

"averageStandardScore": 97.6308

}

],

"rankMovement": 3,

"locationIsWithinBoundary": false,

"schoolYearlyDetails": [

{

"year": 2016,

"numberOfStudents": 754,

"percentFreeDiscLunch": 0.0371,

"percentofAfricanAmericanStudents": 0.27,

"percentofAsianStudents": 13.53,

"percentofHispanicStudents": 2.52,

"percentofIndianStudents": 0,

"percentofPacificIslanderStudents": 0.13,

"percentofWhiteStudents": 70.16,

"percentofTwoOrMoreRaceStudents": 13.4,

"percentofUnspecifiedRaceStudents": null,

"teachersFulltime": 35,

"pupilTeacherRatio": 21.5,

"numberofAfricanAmericanStudents": 2,

"numberofAsianStudents": 102,

"numberofHispanicStudents": 19,

"numberofIndianStudents": 0,

"numberofPacificIslanderStudents": 1,

"numberofWhiteStudents": 529,

"numberofTwoOrMoreRaceStudents": 101,

"numberofUnspecifiedRaceStudents": null

}

],

"isPrivate": false,

"privateDays": null,

"privateHours": null,

"privateHasLibrary": null,

"privateCoed": null,

"privateOrientation": null,

"hasBoundary": true

},

{

"schoolid": "530423002519",

"schoolName": "Explorer Community School",

"phone": "(425) 936-2533",

"url": "https://www.schooldigger.com/go/WA/schools/0423002519/school.aspx",

"urlCompare": "https://www.schooldigger.com/go/WA/schools/0423002519/search.aspx",

"address": {

"street": "7040 208th NE",

"city": "Redmond",

"state": "WA",

"stateFull": "Washington",

"zip": "98053",

"zip4": "4716",

"cityURL": "https://www.schooldigger.com/go/WA/city/Redmond/search.aspx",

"zipURL": "https://www.schooldigger.com/go/WA/zip/98053/search.aspx",

"html": "7040 208th NE  
Redmond, WA 98053-4716"

},

"lowGrade": "1",

"highGrade": "5",

"schoolLevel": "Elementary",

"isCharterSchool": "No",

"isMagnetSchool": "(n/a)",

"isVirtualSchool": "No",

"isTitleISchool": "No",

"isTitleISchoolwideSchool": "(n/a)",

"district": {

"districtID": "5304230",

"districtName": "Lake Washington School District",

"url": "https://www.schooldigger.com/go/WA/district/04230/search.aspx",

"rankURL": "https://www.schooldigger.com/go/WA/districtrank.aspx?finddistrict=04230"

},

"county": {

"countyName": "King",

"countyURL": "https://www.schooldigger.com/go/WA/county/King/search.aspx"

},

"rankHistory": [

{

"year": 2017,

"rank": 2,

"rankStars": 5,

"rankLevel": "Elementary",

"averageStandardScore": 98.09714

}

],

"rankMovement": null,

"locationIsWithinBoundary": false,

"schoolYearlyDetails": [

{

"year": 2016,

"numberOfStudents": 73,

"percentFreeDiscLunch": 0,

"percentofAfricanAmericanStudents": 0,

"percentofAsianStudents": 30.14,

"percentofHispanicStudents": 4.11,

"percentofIndianStudents": 0,

"percentofPacificIslanderStudents": 0,

"percentofWhiteStudents": 60.27,

"percentofTwoOrMoreRaceStudents": 5.48,

"percentofUnspecifiedRaceStudents": null,

"teachersFulltime": 4,

"pupilTeacherRatio": 18.2,

"numberofAfricanAmericanStudents": 0,

"numberofAsianStudents": 22,

"numberofHispanicStudents": 3,

"numberofIndianStudents": 0,

"numberofPacificIslanderStudents": 0,

"numberofWhiteStudents": 44,

"numberofTwoOrMoreRaceStudents": 4,

"numberofUnspecifiedRaceStudents": null

}

],

"isPrivate": false,

"privateDays": null,

"privateHours": null,

"privateHasLibrary": null,

"privateCoed": null,

"privateOrientation": null,

"hasBoundary": true

},

{

"schoolid": "530033000045",

"schoolName": "Capt Johnston Blakely Elementary School",

"phone": "(206) 842-4752",

"url": "https://www.schooldigger.com/go/WA/schools/0033000045/school.aspx",

"urlCompare": "https://www.schooldigger.com/go/WA/schools/0033000045/search.aspx",

"address": {

"street": "4704 Blakely Ave NE",

"city": "Bainbridge Island",

"state": "WA",

"stateFull": "Washington",

"zip": "98110",

"zip4": "2259",

"cityURL": "https://www.schooldigger.com/go/WA/city/Bainbridge+Island/search.aspx",

"zipURL": "https://www.schooldigger.com/go/WA/zip/98110/search.aspx",

"html": "4704 Blakely Ave NE  
Bainbridge Island, WA 98110-2259"

},

"lowGrade": "K",

"highGrade": "4",

"schoolLevel": "Elementary",

"isCharterSchool": "No",

"isMagnetSchool": "(n/a)",

"isVirtualSchool": "No",

"isTitleISchool": "Yes",

"isTitleISchoolwideSchool": "No",

"district": {

"districtID": "5300330",

"districtName": "Bainbridge Island School District",

"url": "https://www.schooldigger.com/go/WA/district/00330/search.aspx",

"rankURL": "https://www.schooldigger.com/go/WA/districtrank.aspx?finddistrict=00330"

},

"county": {

"countyName": "Kitsap",

"countyURL": "https://www.schooldigger.com/go/WA/county/Kitsap/search.aspx"

},

"rankHistory": [

{

"year": 2017,

"rank": 3,

"rankStars": 5,

"rankLevel": "Elementary",

"averageStandardScore": 97.93503

},

{

"year": 2016,

"rank": 34,

"rankStars": 5,

"rankLevel": "Elementary",

"averageStandardScore": 93.9455

}

],

"rankMovement": 31,

"locationIsWithinBoundary": false,

"schoolYearlyDetails": [

{

"year": 2016,

"numberOfStudents": 352,

"percentFreeDiscLunch": 0.071,

"percentofAfricanAmericanStudents": 0.28,

"percentofAsianStudents": 1.99,

"percentofHispanicStudents": 3.98,

"percentofIndianStudents": 1.42,

"percentofPacificIslanderStudents": 0,

"percentofWhiteStudents": 84.94,

"percentofTwoOrMoreRaceStudents": 7.39,

"percentofUnspecifiedRaceStudents": null,

"teachersFulltime": 19,

"pupilTeacherRatio": 18.5,

"numberofAfricanAmericanStudents": 1,

"numberofAsianStudents": 7,

"numberofHispanicStudents": 14,

"numberofIndianStudents": 5,

"numberofPacificIslanderStudents": 0,

"numberofWhiteStudents": 299,

"numberofTwoOrMoreRaceStudents": 26,

"numberofUnspecifiedRaceStudents": null

}

],

"isPrivate": false,

"privateDays": null,

"privateHours": null,

"privateHasLibrary": null,

"privateCoed": null,

"privateOrientation": null,

"hasBoundary": true

}

]

}