### ST\_DataConsolidateFunction (Data Consolidation Functions)

Data [consolidation](consolidation.docx) functions specified by the user and used to consolidate ranges of data.

This simple type's contents are a restriction of the XML [Schema](Schema.docx) string datatype.

The following are possible enumeration values for this type:

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| Enumeration Value | Description |
| average (Average) | The average of the values. |
| count (Count) | The number of data values. The Count [consolidation](consolidation.docx) function works the same as the [COUNTA](COUNTA.docx) [worksheet](worksheet.docx) function. |
| countNums (CountNums) | The number of data values that are numbers. The Count Nums [consolidation](consolidation.docx) function works the same as the [COUNT](COUNT.docx) [worksheet](worksheet.docx) function. |
| max (Maximum) | The largest value. |
| min (Minimum) | The smallest value. |
| product (Product) | The product of the values. |
| stdDev (StdDev) | An estimate of the standard deviation of a population, where the sample is a subset of the entire population. |
| stdDevp (StdDevP) | The standard deviation of a population, where the population is all of the data to be summarized. |
| sum (Sum) | The sum of the values. |
| var (Variance) | An estimate of the variance of a population, where the sample is a subset of the entire population. |
| varp (VarP) | The variance of a population, where the population is all of the data to be summarized. |

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| Referenced By |
| dataConsolidate@function (§); dataField@subtotal (§) |

The following XML [Schema](Schema.docx) fragment defines the contents of this simple type:

<simpleType [name](name.docx)="ST\_DataConsolidateFunction">

<restriction base="xsd:string">

<enumeration [value](value.docx)="average"/>

<enumeration [value](value.docx)="count"/>

<enumeration [value](value.docx)="countNums"/>

<enumeration [value](value.docx)="max"/>

<enumeration [value](value.docx)="min"/>

<enumeration [value](value.docx)="product"/>

<enumeration [value](value.docx)="stdDev"/>

<enumeration [value](value.docx)="stdDevp"/>

<enumeration [value](value.docx)="sum"/>

<enumeration [value](value.docx)="var"/>

<enumeration [value](value.docx)="varp"/>

</restriction>

</simpleType>