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| <u>Exact numerics</u> | | |
| <u>BigInt</u> | <u>-2⁶³ to 2⁶³-1</u> | <u>n.º of atoms; 2⁵⁹</u> |
| <u>Numeric</u> | <u>- 10³⁸ +1 to 10³⁸ - 1</u> | <u>Heavy mathematical operation result</u> |
| <u>Bit</u> | <u>9 to 16 bit colums</u> | <u>Boolean status</u> |
| <u>Tinyint</u> | <u>0 to 255</u> | <u>Someone's age; 97</u> |
| <u>Decimal</u> | <u>- 10³⁸ +1 to 10³⁸ - 1</u> | <u>Heavy mathematical operation result</u> |
| <u>Smallmoney</u> | <u>- 214,748.3648 to 214,748.3647</u> | <u>Cost of apple computers; 214,748.3648</u> |
| <u>Int</u> | <u>-2³¹ to 2³¹-1</u> | <u>Inhabitants of Madrid; 3,165 M</u> |
| <u>Smallint</u> | <u>-32,768 to 32,767</u> | <u>Number of daily consumers of a local shop</u> |
| <u>Money</u> | <u>-922,337,203,685,477.5808 to 922,337,203,685,477.5807</u> | <u>PP's 'B' box money</u> |
| <u>Approximate Numerics</u> | | |
| <u>Float</u> | <u>1.79E+308 to -2.23E-308, 0 and 2.23E-308 to 1.79E+308</u> | |
| <u>Real</u> | <u>- 3.40E + 38 to -1.18E - 38, 0 and 1.18E - 38 to 3.40E + 38</u> | <u>Weight of Planets; Mercurio 3,285 × 10²³ kg</u> |
| <u>Date and Time</u> | | |
| <u>Date</u> | <u>0001-01-01 through 9999-12-31</u> | <u>Date of birth of Gonzalo; 1653-01-12</u> |
| <u>Datetimeoffset</u> | <u>January 1,1 A.D. through December 31, 9999 A.D.</u> | <u>Date of release of an Album</u> |
| <u>Datetime2</u> | <u>Time range: 00:00:00 through 23:59:59.9999999</u> | <u>Atomic reactions represented in time; 12:22:09:2131212</u> |
| <u>Smalldatetime</u> | <u>1900-01-01 through 2079-06-06</u> | <u>Actual events: Madrid Olympics 2075</u> |
| <u>Datetime</u> | <u>January 1, 1753, through December 31, 9999</u> | <u>First universal war; February 31, 2068</u> |
| <u>Time</u> | <u>00:00:00.0000000 through 23:59:59.9999999</u> | <u>CPU process log</u> |
| <u>Character Strings</u> | | |
| <u>char</u> | <u>char [(n)]</u> | <u>Use char when the sizes of the column data entries are consistent.</u> |
| <u>Varchar</u> | <u>varchar [(n max)] (2Gb)</u> | <u>Use varchar when the sizes of the column data entries vary considerably.</u> |
| <u>text</u> | <u>0 to 2³¹-1 string length</u> | <u>Word proccesor</u> |

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|---------------------------|--|----------------------|
| Unicode Character Strings | | |
| Nchar | nchar [(n)] 1<n<4000 | City's name; Cuenca |
| Nvarchar | nvarchar [(n max)] (2Gb) | Book contents |
| Ntext | 2 ³⁰ – 1 max | Variable text source |
| Binary Strings | | |
| Binary | binary [(n)]: length of n bytes, where n is a value from 1 through 8,000. | Instant messaging |
| Varbinary | Variable-length; 1<n < 8000 | Instant messaging |
| Image | Variable-length binary data from 0 through 2 ³¹ -1 | |
| Other data types | | |
| Cursor | null | |
| Timestamp | null | |
| Hierarchyid | For small fanouts (0-7), the size is about 6*logAn bits, where A is the average fanout. | |
| Uniqueidentifier | xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx, in which each x is a hexadecimal digit in the range 0-9 or a-f | |
| Table | null | |
| Sqlvariant | null | |
| xml | null | |