

# Signed and Unsigned Integers



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# Signed vs. Unsigned Integers

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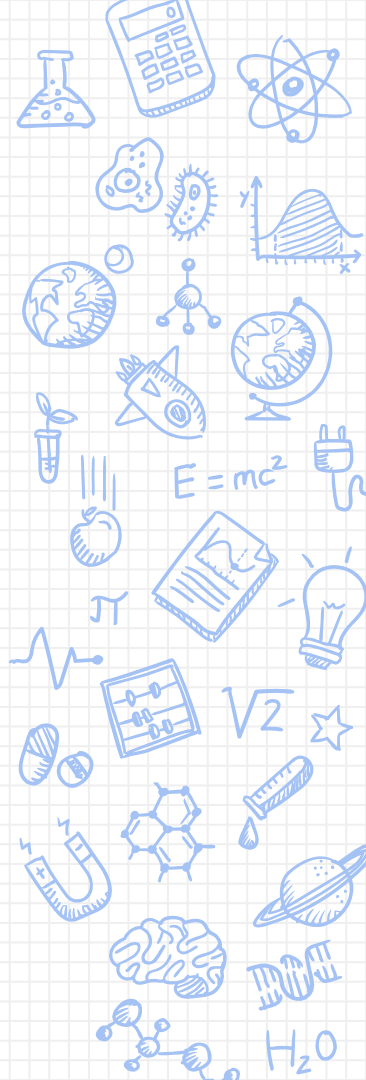
- ✗ Signed integers support negative and positive values.
- ✗ Unsigned integers support only zero and positive values.
- ✗ Unsigned integers can extend twice as far in the positive direction compared to a signed integer with the same amount of memory.



# Integers in Polars

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Data type	Lower limit	Upper limit
Int8	-128	127
Int16	-32768	32767
Int32	-2147483648	2147483647
Int64	-9223372036854775808	9223372036854775807

Data type	Upper limit
UInt8	255
UInt16	65535
UInt32	4294967295
UInt64	18446744073709551615

