## Symbols Relevant to Machine Learning

Symbol	Unicode	Name
×	00D7	Multiplication sign
÷	00F7	Division sign
±	00B1	Plus-minus sign
Ŧ	2213	Minus or plus sign
1/2	00BD	Vulgar fraction one half
1	2032	Prime
"	2033	Double prime
""	2034	Triple prime
C	2102	Double struck capital C
H	210D	Double struck capital H
N	2115	Double struck capital N
$\mathbb{P}$	2119	Double struck capital P
Q	211A	Double struck capital Q
$\mathbb{R}$	211D	Double struck capital R
$\mathbb{Z}$	2124	Double struck capital Z
A	2200	For all
С	2201	Complement
д	2202	Partial differential
3	2203	There exists
∄	2204	There does not exist
Ø	2205	Empty set
Δ	2206	Increment
$\nabla$	2207	Nabla
E	2208	Element of
∉	2209	Not an element of
€	220A	Small element of
Э	220B	Contains as a member
∌	220C	Does not contain as a member
Э	220D	Small contains as member
	220E	End of proof
Π	220F	N-ary product
Ш	2210	N-ary coproduct
Σ	2211	N-ary summation
<u>Σ</u> <del>+</del>	2213	Minus or plus sign
	221A	Square root

Symbol	Unicode	Name
₹	221B	Cube root
<b>4</b> √	221C	Fourth root
α	221D	Proportional to
∞	221E	Infinity
1	2223	Divides
ł	2224	Does not divide
コ	00AC	Not sign
٨	2227	Logical and
V	2228	Logical or
Λ	2229	Intersection
U	222A	Union
Λ	22C0	N-ary logical and
V	22C1	N-ary logical or
Λ	22C2	N-ary intersection
U	22C3	N-ary union
•	22C5	Dot operator
ſ	222B	Integral
$\iint$	222C	Double integral
$\iiint$	222D	Triple integral
:	2234	Therefore
:	2235	Because
:	2236	Ratio
::	2237	Proportion
~	2243	Asymptotically equal to
*	2244	Not asymptotically equal to
<b>≅</b>	2245	Approximately equal to
≆	2246	Approximately but not actually equal to
<b>≇</b>	2247	Neither approximately nor actually equal to
≈	2248	Almost equal to
*	2249	Not almost equal to
≊	224A	Almost equal or equal to
≋	224B	Triple tilde
SI	224C	All equal to
×	224D	Equivalent to
:=	2254	Colon equals
=:	2255	Equals Colon
def —	225D	Equal to by definition
<b>≠</b>	2260	Not equal to
=	2261	Identical to

Symbol	Unicode	Name
≢	2262	Not identical to
≣	2263	Strictly equivalent to
<	2264	Less than or equal to
2	2265	Greater than or equal to
«	226A	Much less than
>>	226B	Much greater than
C	2282	Subset of
⊃	2283	Superset of
⊄	2284	Not a subset of
⊅	2285	Not a superset of
⊆	2286	Subset of or equal to
⊇	2287	Superset of or equal to
⊈	2288	Neither a subset of nor equal to
⊉	2289	Neither a superset of nor equal to
Ç	228A	Subset of with not equal to
⊋	228B	Superset of with not equal to
$\oplus$	2295	Circled plus
$\otimes$	2297	Circled times
:	22EE	Vertical ellipsis
	22EF	Midline horizontal ellipsis
·	22F0	Up right diagonal ellipsis
``	22F1	Down right diagonal ellipsis
ſ	2308	Left ceiling
1	2309	Right ceiling
L	230A	Left floor
J	230B	Right floor
(	27E8	Mathematical left angle bracket
>	27E9	Mathematical right angle bracket
A	0391	Greek uppercase Alpha
В	0392	Greek uppercase Beta
Γ	0393	Greek uppercase Gamma
Δ	0394	Greek uppercase Delta
Е	0395	Greek uppercase Epsilon
Z	0396	Greek uppercase Zeta
Н	0397	Greek uppercase Eta
Θ	0398	Greek uppercase Theta
I	0399	Greek uppercase Iota
K	039A	Greek uppercase Kappa
Λ	039B	Greek uppercase Lambda

Symbol	Unicode	Name
M	039C	Greek uppercase Mu
N	039D	Greek uppercase Nu
Ξ	039E	Greek uppercase Xi
0	039F	Greek uppercase Omicron
П	03A0	Greek uppercase Pi
P	03A1	Greek uppercase Rho
Σ	03A3	Greek uppercase Sigma
Т	03A4	Greek uppercase Tau
Υ	03A5	Greek uppercase Upsilon
Ф	03A6	Greek uppercase Phi
X	03A7	Greek uppercase Chi
Ψ	03A8	Greek uppercase Psi
Ω	03A9	Greek uppercase Omega
α	03B1	Greek lowercase alpha
β	03B2	Greek lowercase beta
γ	03B3	Greek lowercase gamma
δ	03B4	Greek lowercase delta
ε	03B5	Greek lowercase epsilon
ζ	03B6	Greek lowercase zeta
η	03B7	Greek lowercase eta
θ	03B8	Greek lowercase theta
ι	03B9	Greek lowercase iota
κ	03BA	Greek lowercase kappa
λ	03BB	Greek lowercase lambda
μ	03BC	Greek lowercase mu
ν	03BD	Greek lowercase nu
ξ	03BE	Greek lowercase xi
0	03BF	Greek lowercase omicron
π	03C0	Greek lowercase pi
ρ	03C1	Greek lowercase rho
σ	03C3	Greek lowercase sigma
τ	03C4	Greek lowercase tau
υ	03C5	Greek lowercase upsilon
φ	03C6	Greek lowercase phi
χ	03C7	Greek lowercase chi
ψ	03C8	Greek lowercase psi
ω	03C9	Greek lowercase omega