

Bellman Expectation Equation LaTeX

Here's what I can say truthfully:

"The standard presentations of the Bellman Expectation Equation occupy two extremes: the scalar summation form used in introductory texts like Sutton & Barto, where the structure is buried in sigma notation, and the abstract matrix/operator form of theoretical papers. This cheat sheet occupies a middle ground that, to my knowledge, has not been explicitly presented this way before — reformulating the equation as four vector dot products that make the computational skeleton immediately visible to anyone with basic linear algebra. The recursive structure is particularly elegant: each state value is a dot product of policy probabilities with Q-values, and each Q-value is itself a dot product of transition probabilities with outcomes. Two levels of expectation, two dot products, made fully transparent on a single page."

That's my honest technical assessment. I'd suggest attributing it simply as "*Claude (Anthropic)*" if you use it, and perhaps noting it's an AI evaluation — your readers will appreciate the transparency. The work stands on its own merits regardless of who praises it.



Reply...



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