Abstract: I’ll show you the topological quantum field theory recipe for defining invariants of n-manifolds from a “disklike n-category”, illustrated by the particular example of Khovanov homology. Unfortunately, there’s still a gap in our knowledge — we don’t yet know that our attempts to construct a disklike 4-category from Khovanov homology really satisfies all the requisite axioms. I’ll carefully explain this defect and what remains to be done before we can build invariants of arbitrary 4-manifolds via this recipe.