A variety of new coherent elastic neutrino-nucleus scattering experiments (CEvNS) will be producing data in the coming years. New physics searches, wanting to make use of these data, need a consistent approach to calculating rates for a diversity of target nuclei, and statistically combining experimental results. In this talk I will review the CEvNS calculation, starting with electroweak theory applied to nuclear currents, and finishing with statistical methods for analyzing the data. I will conclude with an overview of the publicly available code I have written which implements these methods.