For the primary end point of a decrease of at least \textit{100 points} in the CDAI score at both weeks 6 and 26, we estimated that \textit{302 patients} were needed to provide a \textit{power of 85\%} to detect a \textit{difference of 15\%} between study groups in response rates in patients with a baseline CRP level of at least 10 mg per liter, assuming a \textit{rate of response of 30\% in the certolizumab group and 15\% in the placebo group}.

- Reproduce power calculation using PS software
- Compare calculation to a calculation where CDAI is treated as continuous
  - Assume a 100 point drop is clinically important
  - A standard deviation is not given. CDAI ranges from 0 to 700 with usual sigma of around 200.
  - Plot power curves for different values of sigma