

December 19, 1940

My Dear Kendall,

In view of your odd result about  $X$  I asked Stevens if he would work out the results so as to check your algebra, and enclose his values giving the first approximation to  $\mu_3$  and the limiting value for  $\mu_4$ , finding, as one would expect,  $\beta_2 = 3$  in the limit. He has not, however, been able to find out where your approach goes off the rails, unless it is that  $\mu_1' = \sqrt{n-\frac{1}{2}} + O\frac{1}{n^{\frac{1}{2}}}$  where you have  $\mu_1' = \sqrt{n-\frac{1}{2}} + O\frac{1}{n^{\frac{1}{3}}}$

I hope this will help to straighten it out.

Yours sincerely,