Introduction to Distance Sampling

Line transect analysis of duck nests with Distance

- 1. You should get very similar estimates of density from different models, provided those models fit the data well. Remember you have
 - the χ^2 goodness-of-fit statistic (why are there 3 of these?)
 - the Kolomogorov-Smirnov and Cramer von Mises tests
 - q-q plot
 - The negative exponential model does not fit

Model	(nests/km²)	95% c.i. for <i>D</i>
Half-normal (no adjustments) Fourier series (uniform + cosine) Hazard-rate (no adjustments)	49.7 51.0 49.4	(44.2, 55.9) (44.9, 58.0) (42.3, 57.7)

Compare with 48.6 nests / km² and 48.7 nests / km² from computations done by hand in earlier exercise.