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## Estimating Parameters

The data you will need to have collected are, for each set of initial conditions  $(S_0, Y_0)$ , a time-series of yeast population densities,

$$\{(t_i, Y_i)\}_{i=1}^N,$$

where  $t_i$  is the time at which observation  $i$  was made and  $Y_i$  is the density of yeast at observation  $i$ .

### Subsections

- [An Approach Using Linear Regression](#)
- [Direct Nonlinear Regression](#)

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