
```
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% Case Study 1

% this function makes is easy to pass in hyperparamters
function dsdt = system(t, sys, r, a, b, m, c, d)
    % system
    dsdt = [r * sys(1) - a * sys(1) * sys(2) + c
           % dx = rx - axy + c
           b * sys(1) * sys(2) - m * sys(2) + d];
    % dy = bxy - my + d
end
```

Not enough input arguments.

Error in system (line 7)
dsdt = [r * sys(1) - a * sys(1) * sys(2) + c

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