

1. Is there a basis for choice? ✓
2. Is there evidence for choice? ✓
3. Can quantify fitness of the choice? ✓
4. Is the choice optimal? "almost"
5. Is there a plausible mechanism for choice? ✓  
yes

dart board metaphor  
for "random" hits

Poisson process

average # of hits =  $\lambda$

$$p(n) = \frac{\lambda^n e^{-\lambda}}{n!}$$

$f(0)$	.	.
$f(1)$	.	.
$f(2)$	ex	obs

Speculate:

Weevil remembers  
only the last bean  
it encountered

If present bean larger than  
the last, and fewer  
or the same # eggs  
→ oviposit

If present bean is smaller  
and has fewer eggs → oviposit

Next hypothesis?