

EFEITO DO DISTÚRBIO NAS ESTRATÉGIAS DE VIDA

DINÂMICAS ECOLÓGICAS E EVOLUTIVAS

Luísa Novara Monclar Gonçalves

ORIENTADOR: Prof. Dr. Alexandre Adalardo de Oliveira

COORIENTADOR: Prof. Dr. Paulo Inácio Prado

atributo

atributo



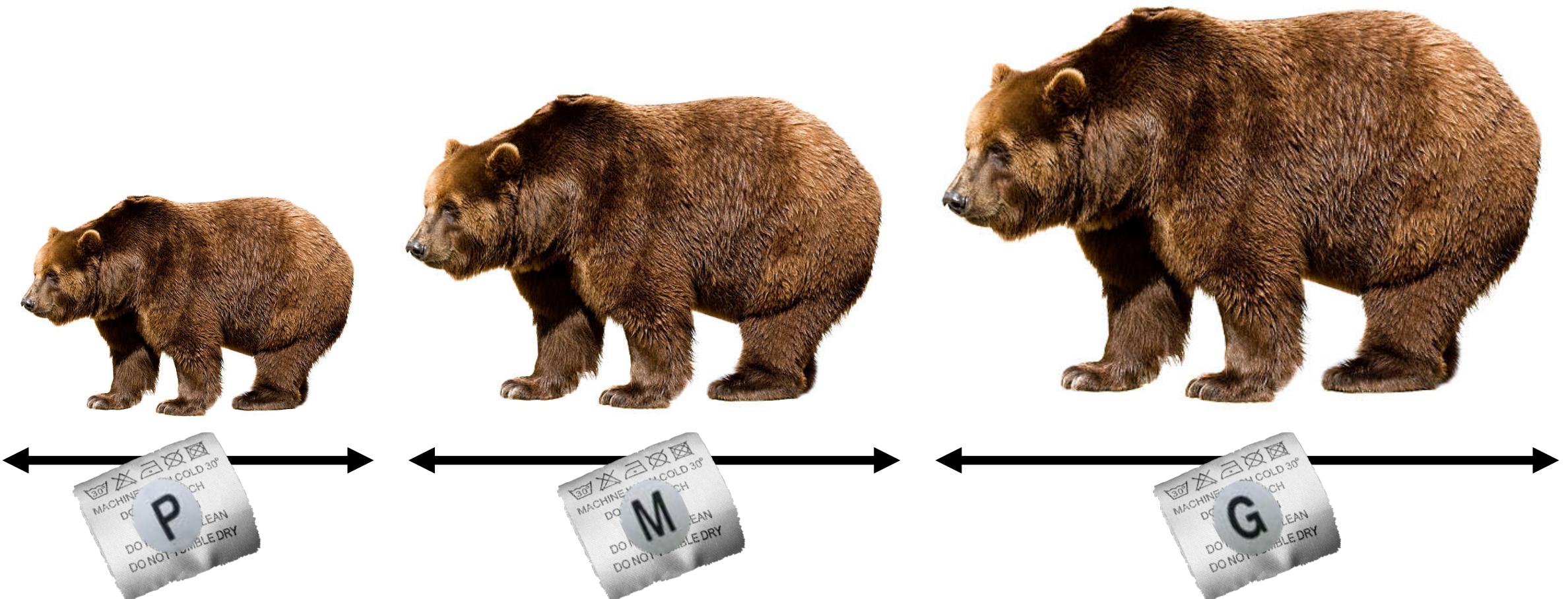
atributo

estados do atributo



atributo

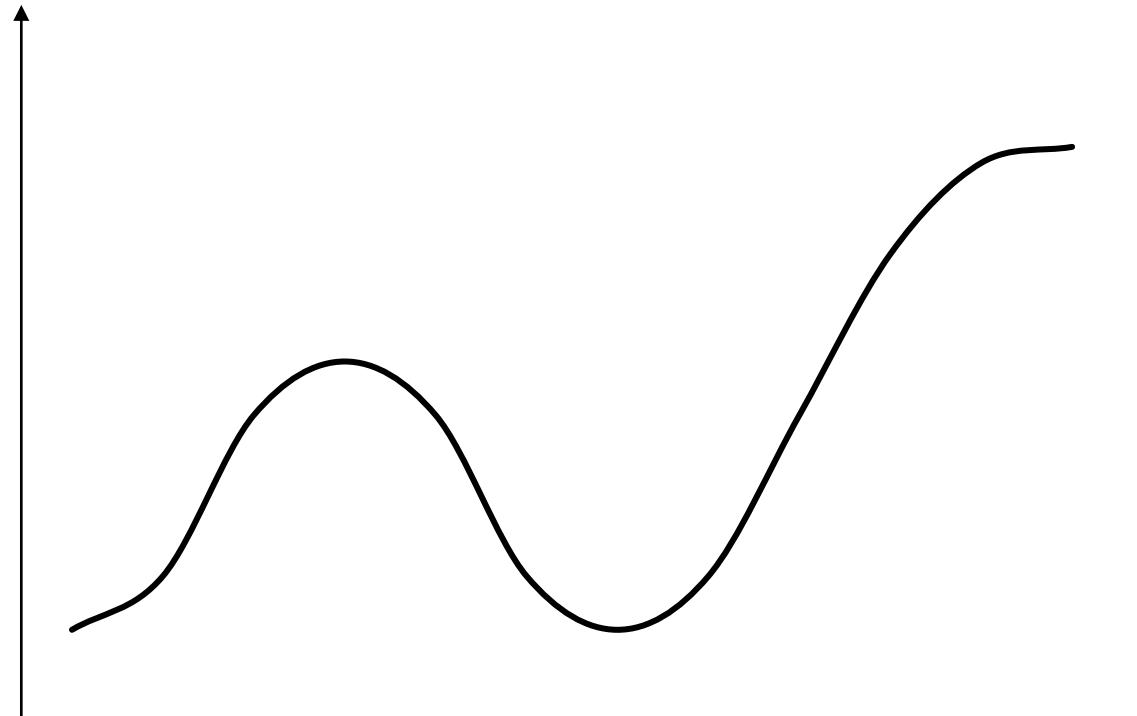
estados do atributo



proporção de
indivíduos pequenos



atributo



tempo

Biologia
Evolutiva

atributo

Ecologia de
Comunidades

dinâmica
evolutiva

atributo

dinâmica
ecológica

mudanças na frequência
de um **atributo** na
população
a partir de alterações na
frequência relativa
dos alelos

dinâmica
evolutiva

atributo

mudanças na frequência
de um **atributo** na
população
a partir de alterações na
frequência relativa
dos alelos

dinâmica
ecológica

mudanças na frequência
de um **atributo** na
comunidade
a partir de alterações na
frequência relativa
das espécies

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

dinâmica ecológica

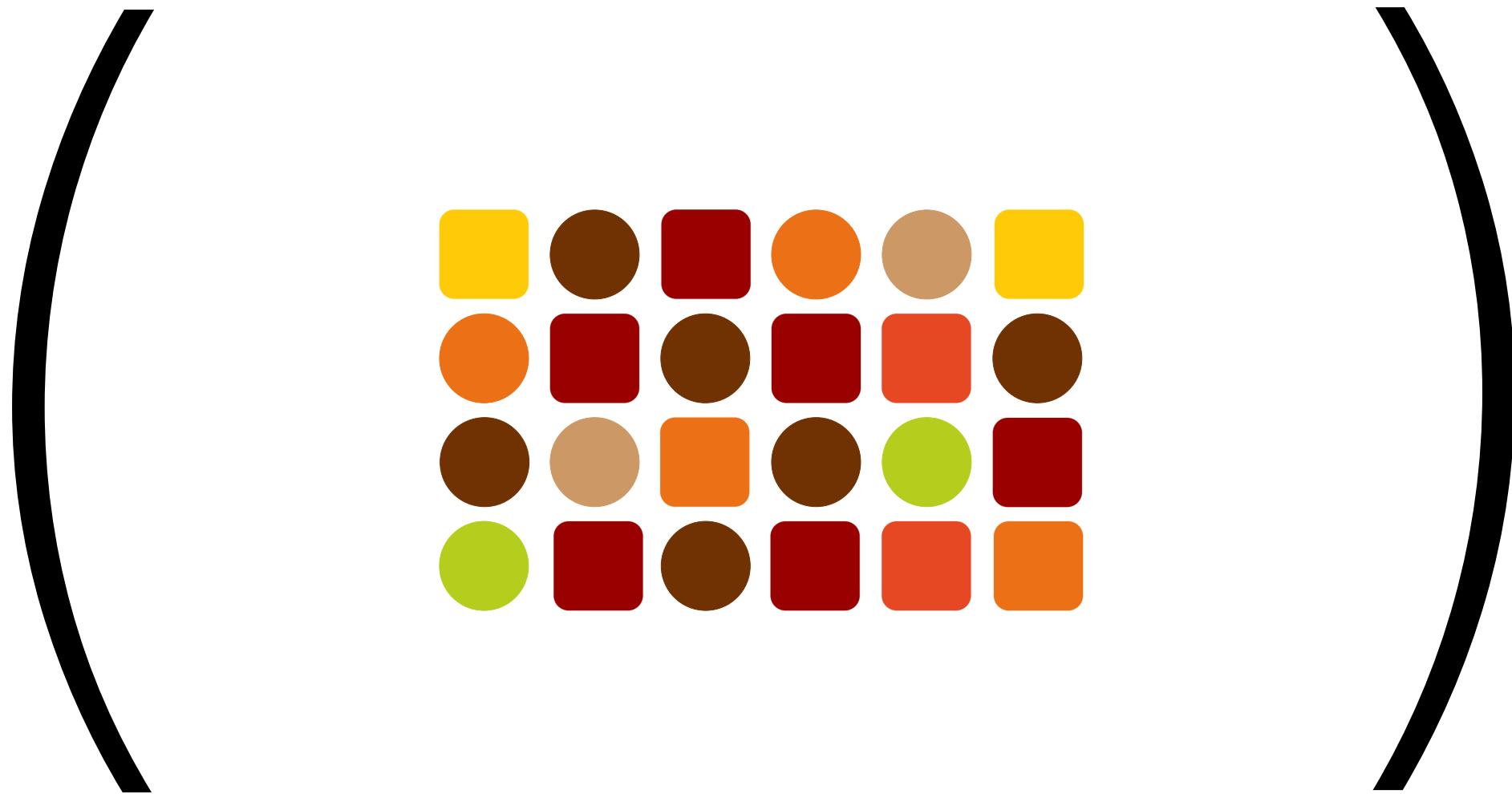
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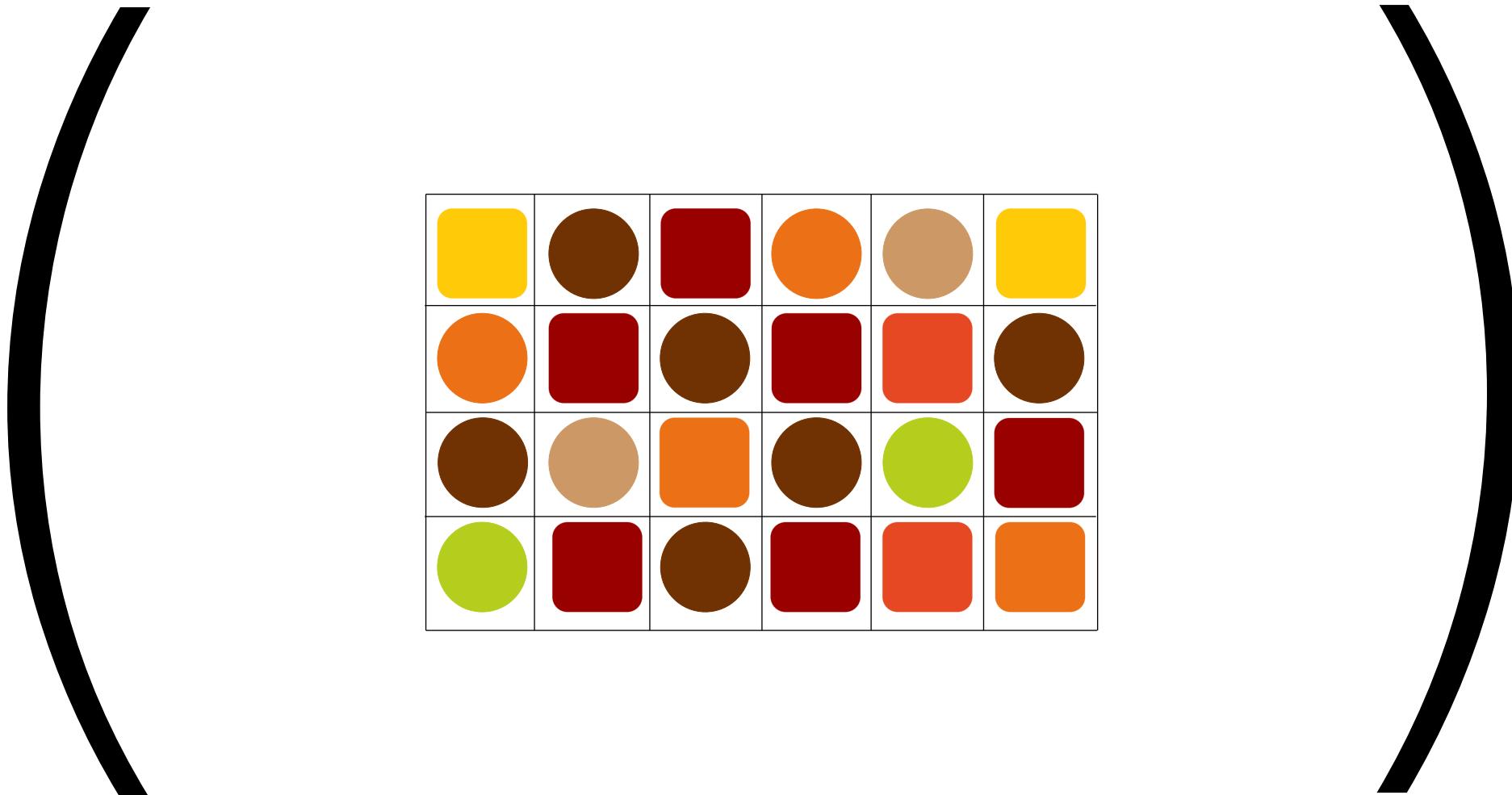
- seleção
- deriva genética
- fluxo gênico
- mutação

dinâmica ecológica

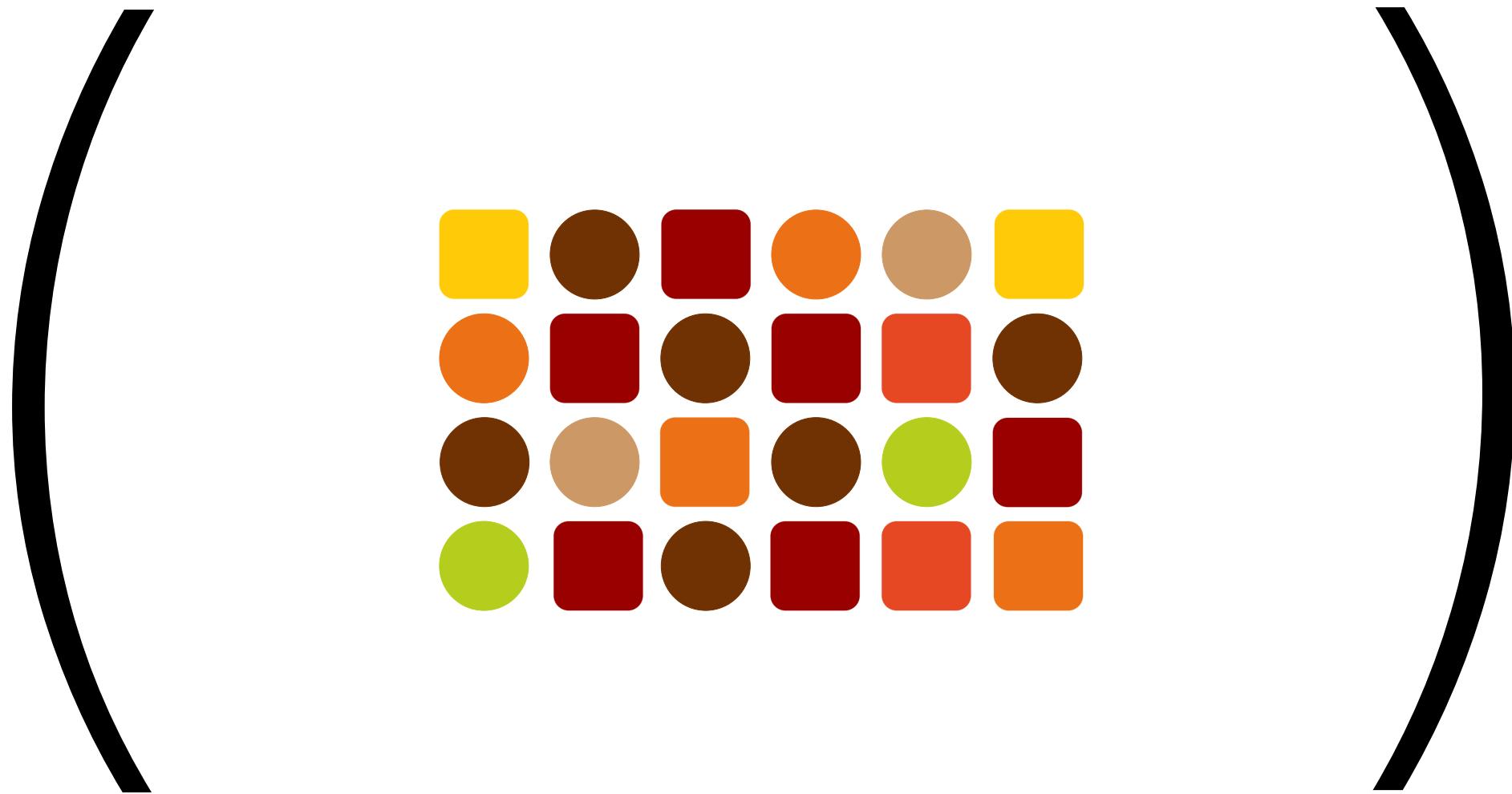
- filtragem ecológica
- deriva ecológica
- migração
- especiação

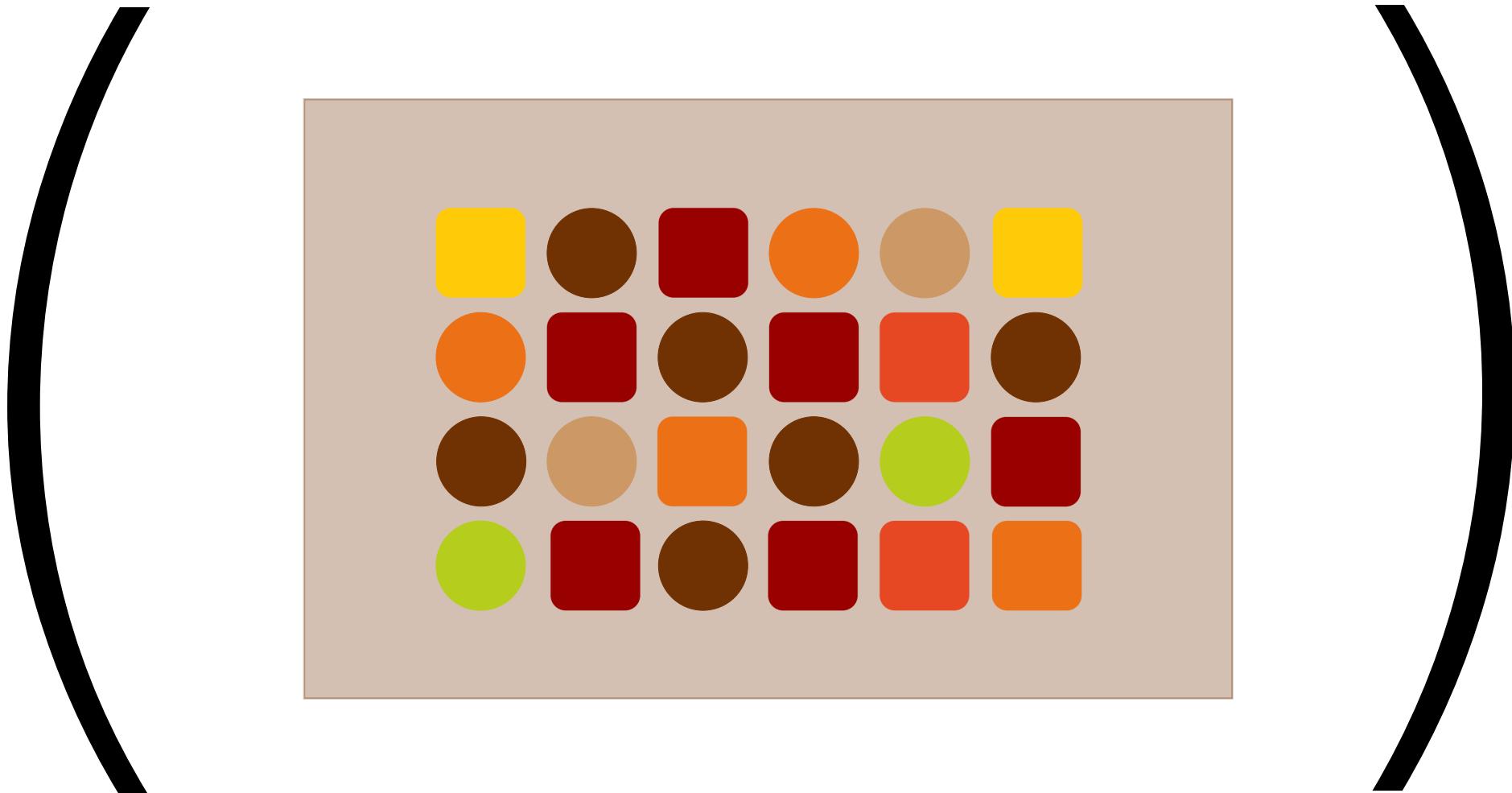






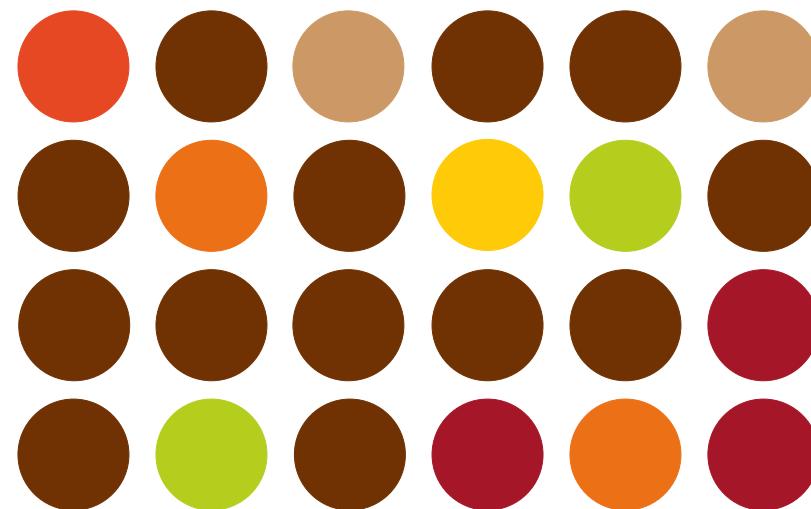






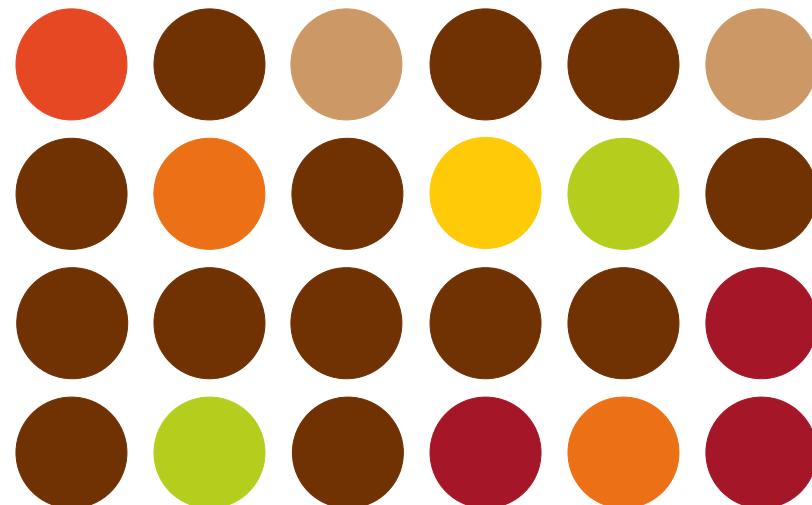
dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação



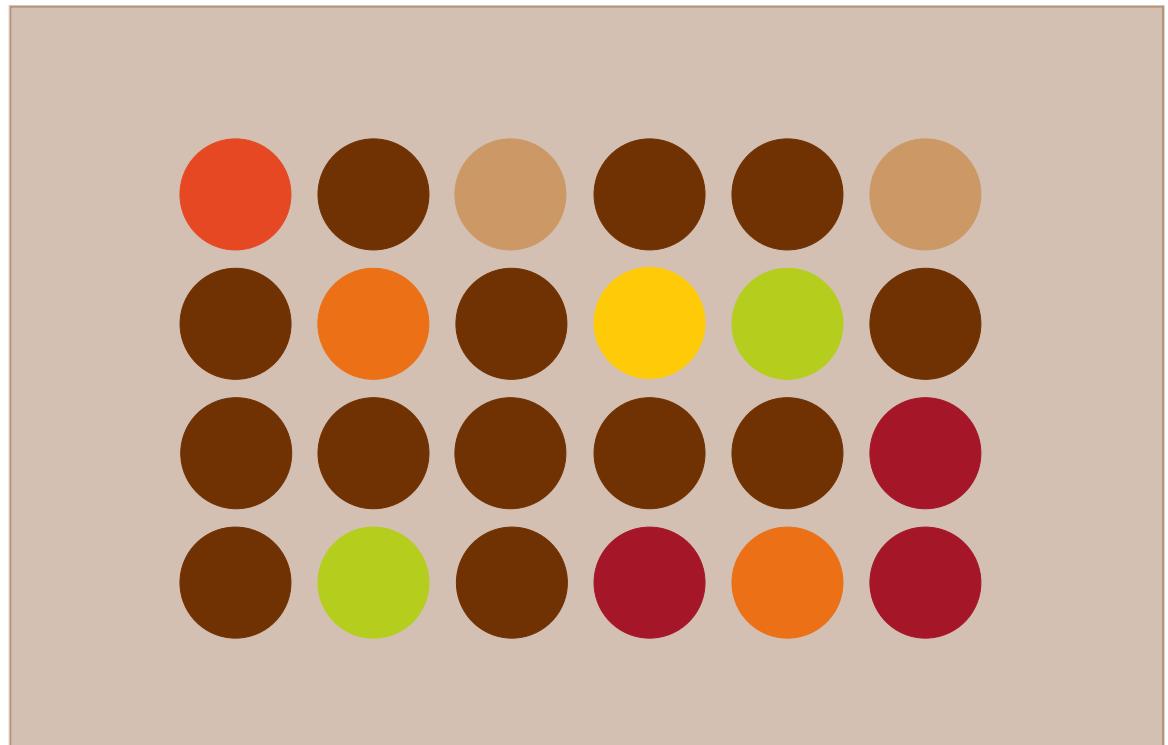
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- **seleção**
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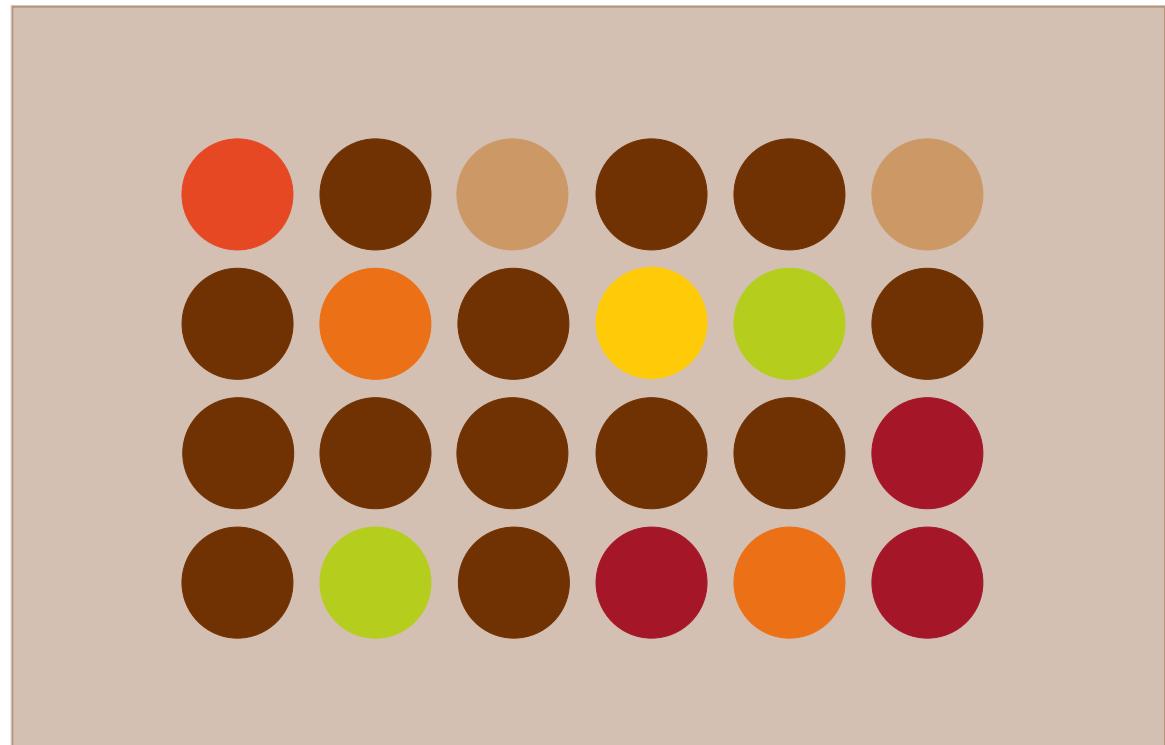
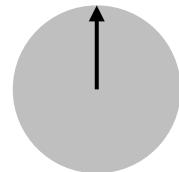
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- **seleção**
- deriva genética
- fluxo gênico
- mutação



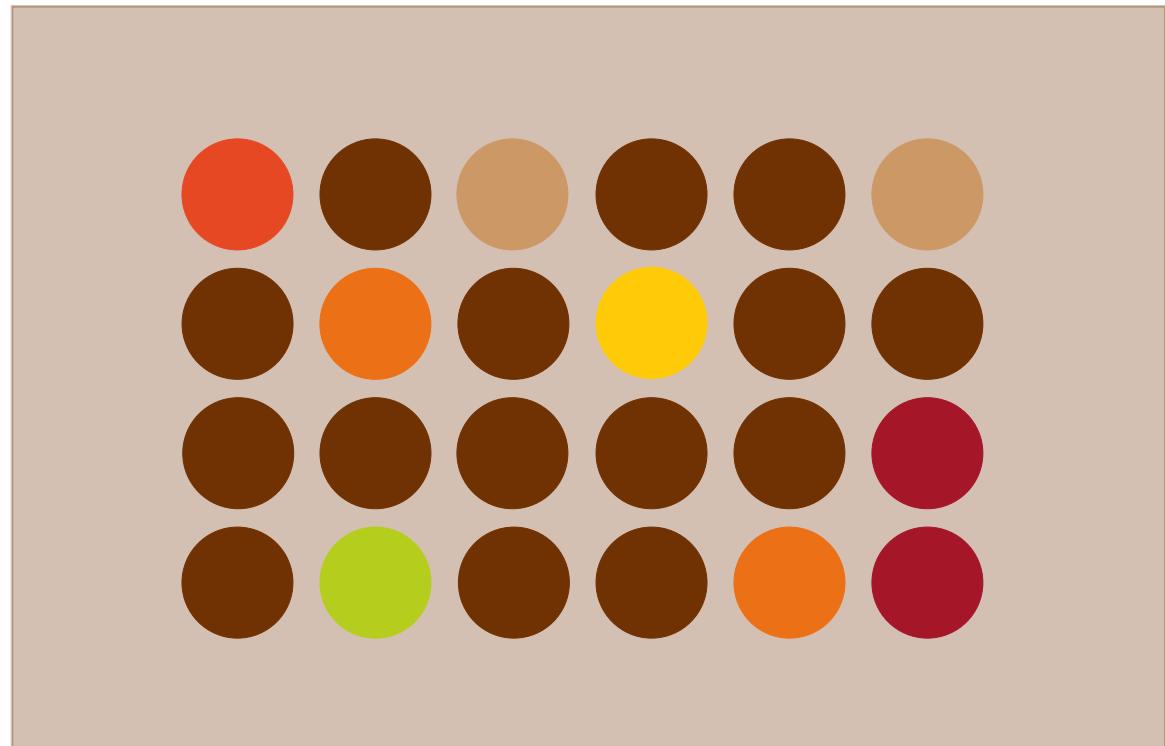
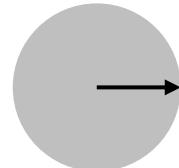
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- **seleção**
- deriva genética
- fluxo gênico
- mutação



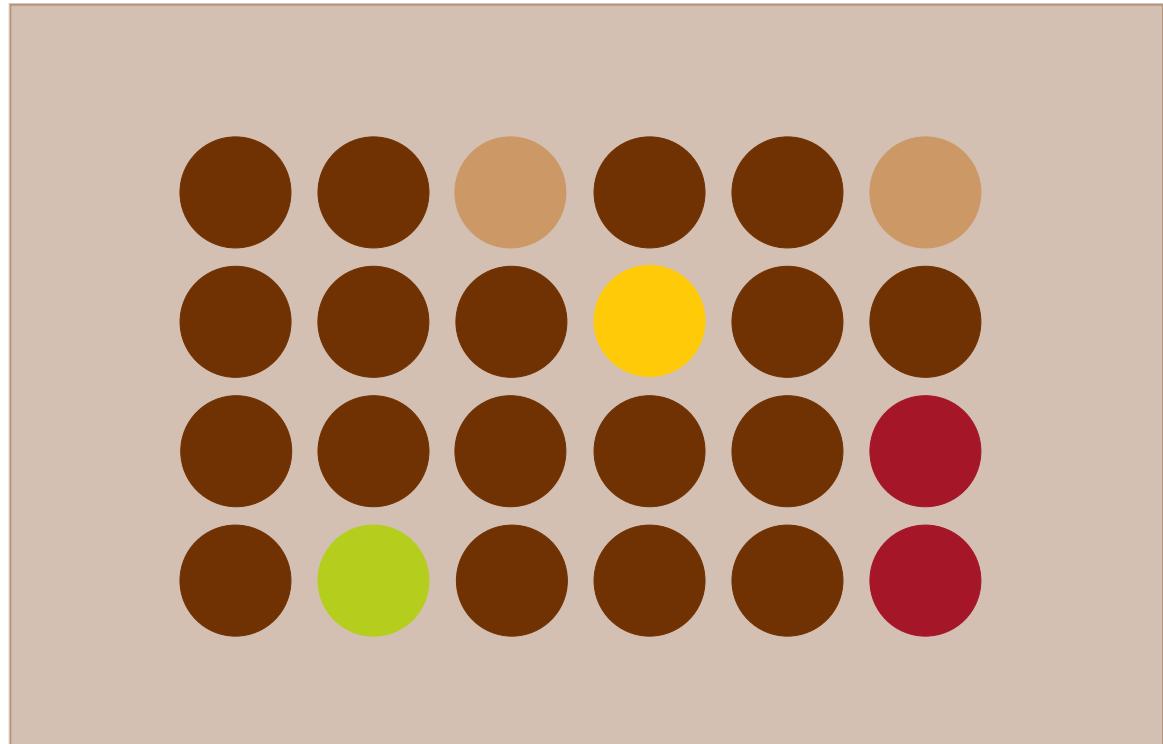
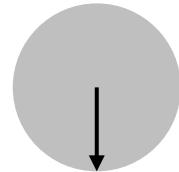
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- mutação



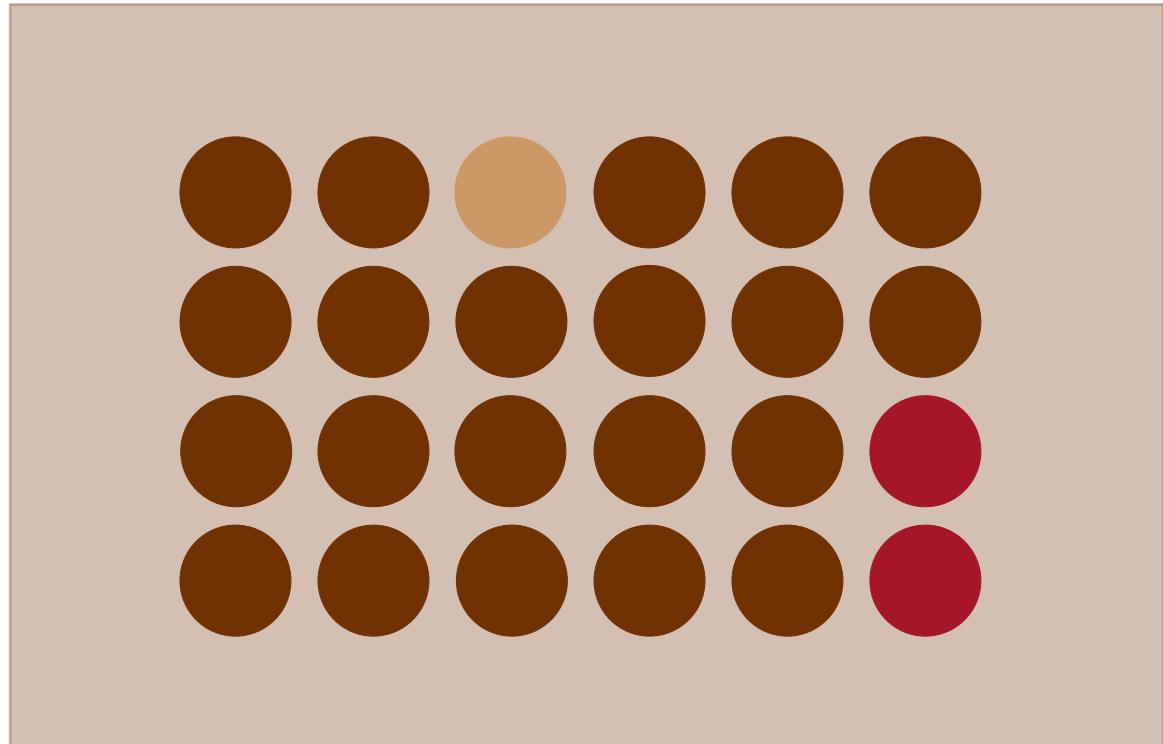
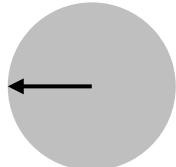
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- **seleção**
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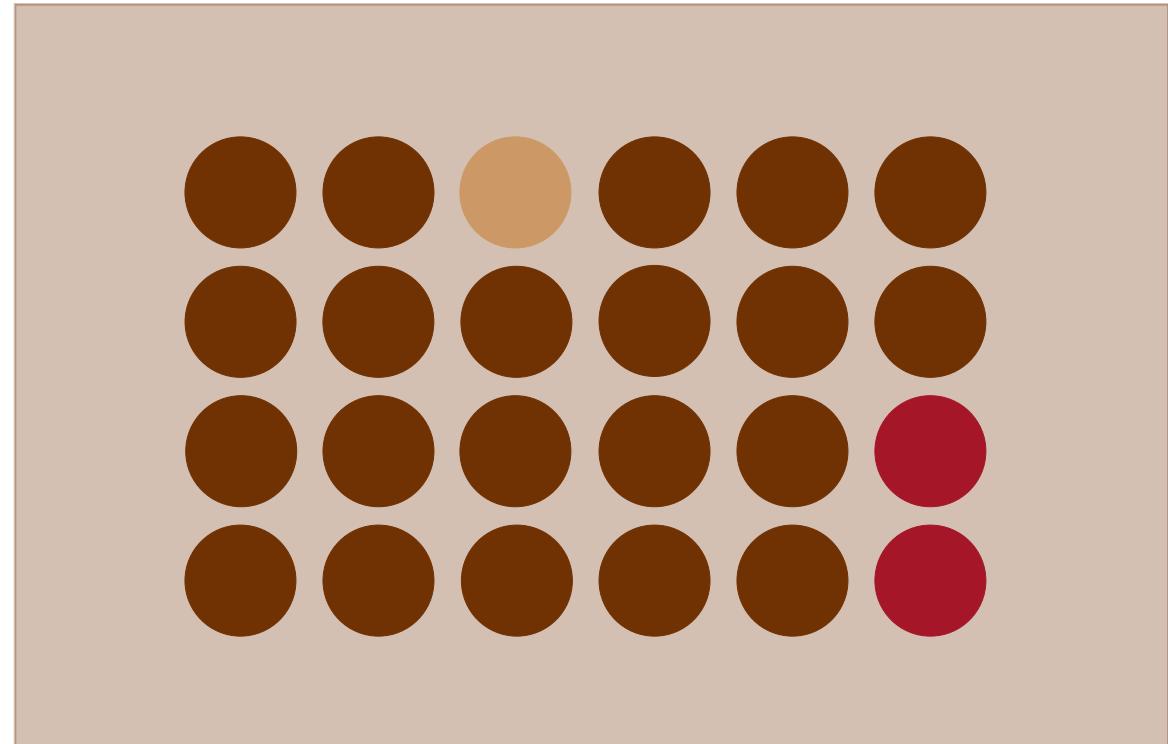
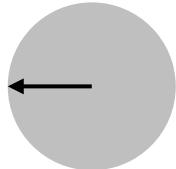
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- mutação



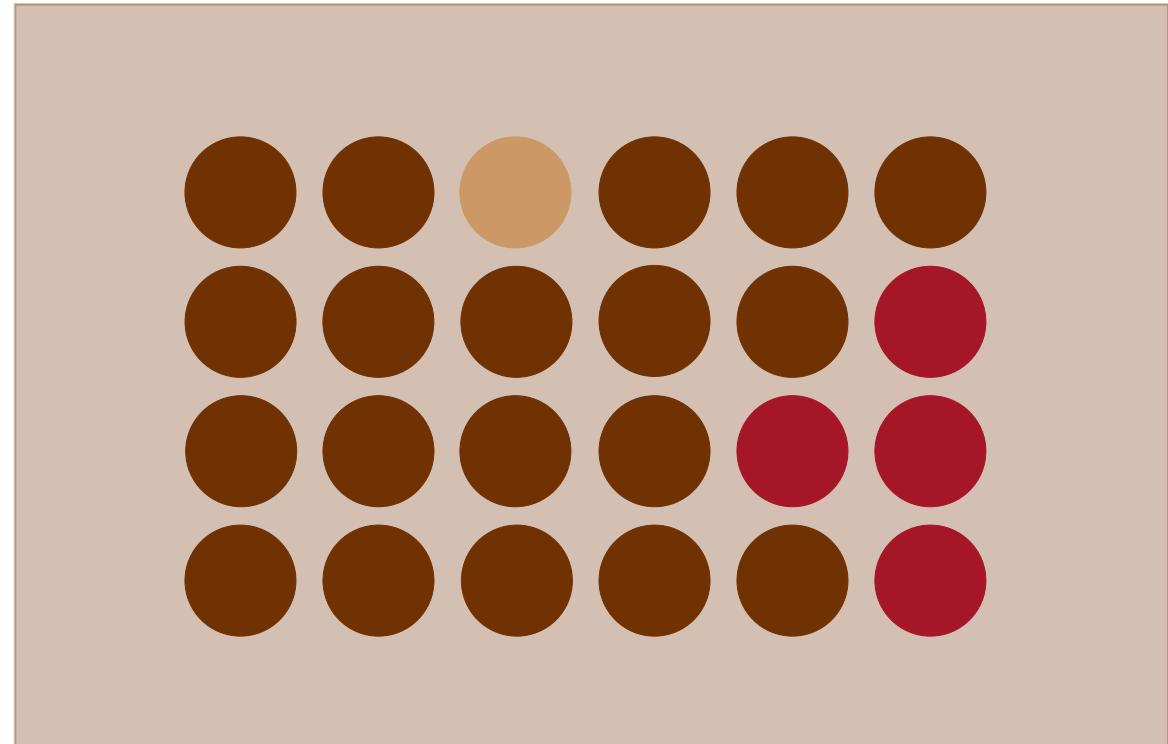
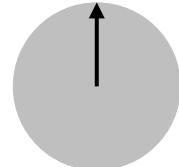
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- seleção
- **deriva genética**
- fluxo gênico
- mutação



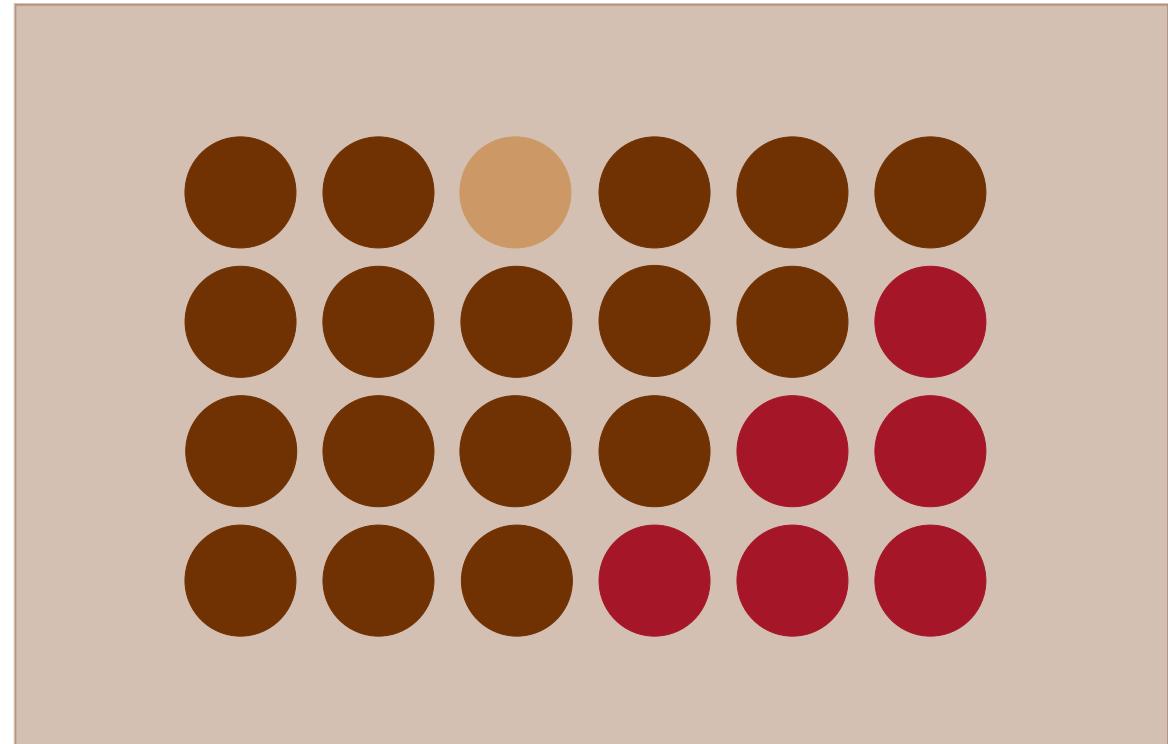
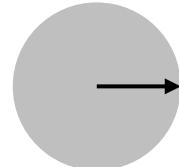
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- **deriva genética**
- fluxo gênico
- mutação



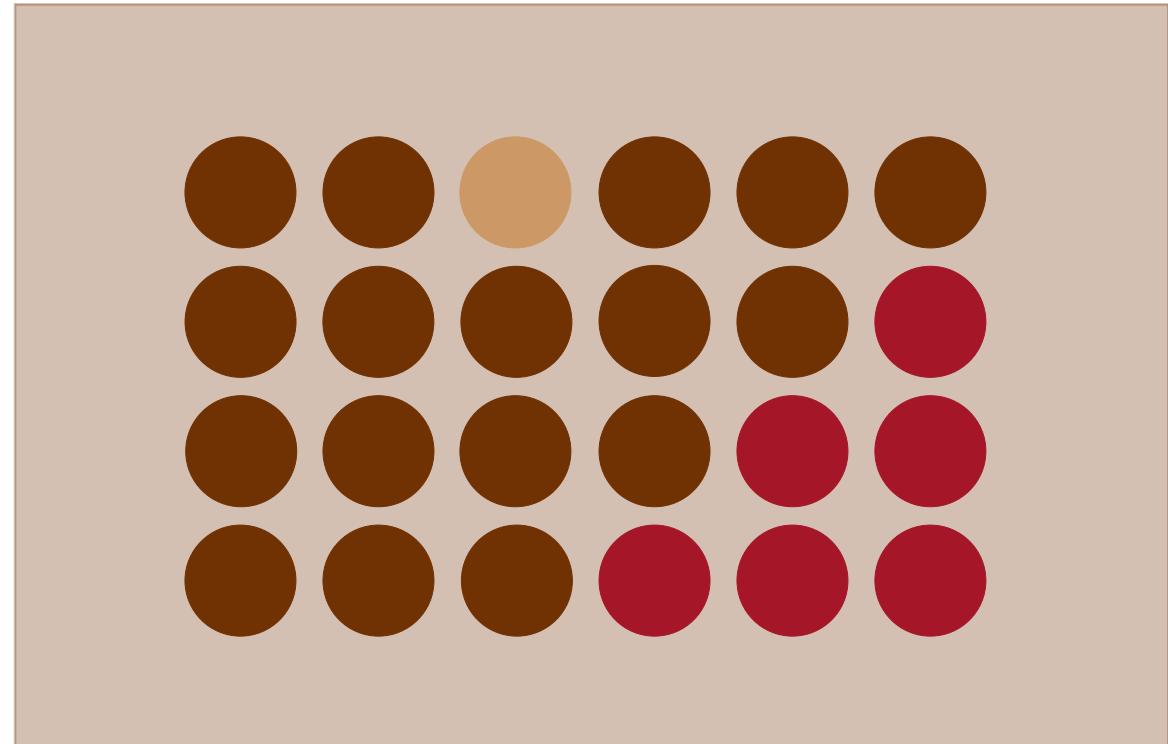
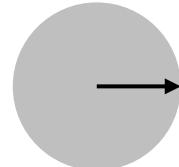
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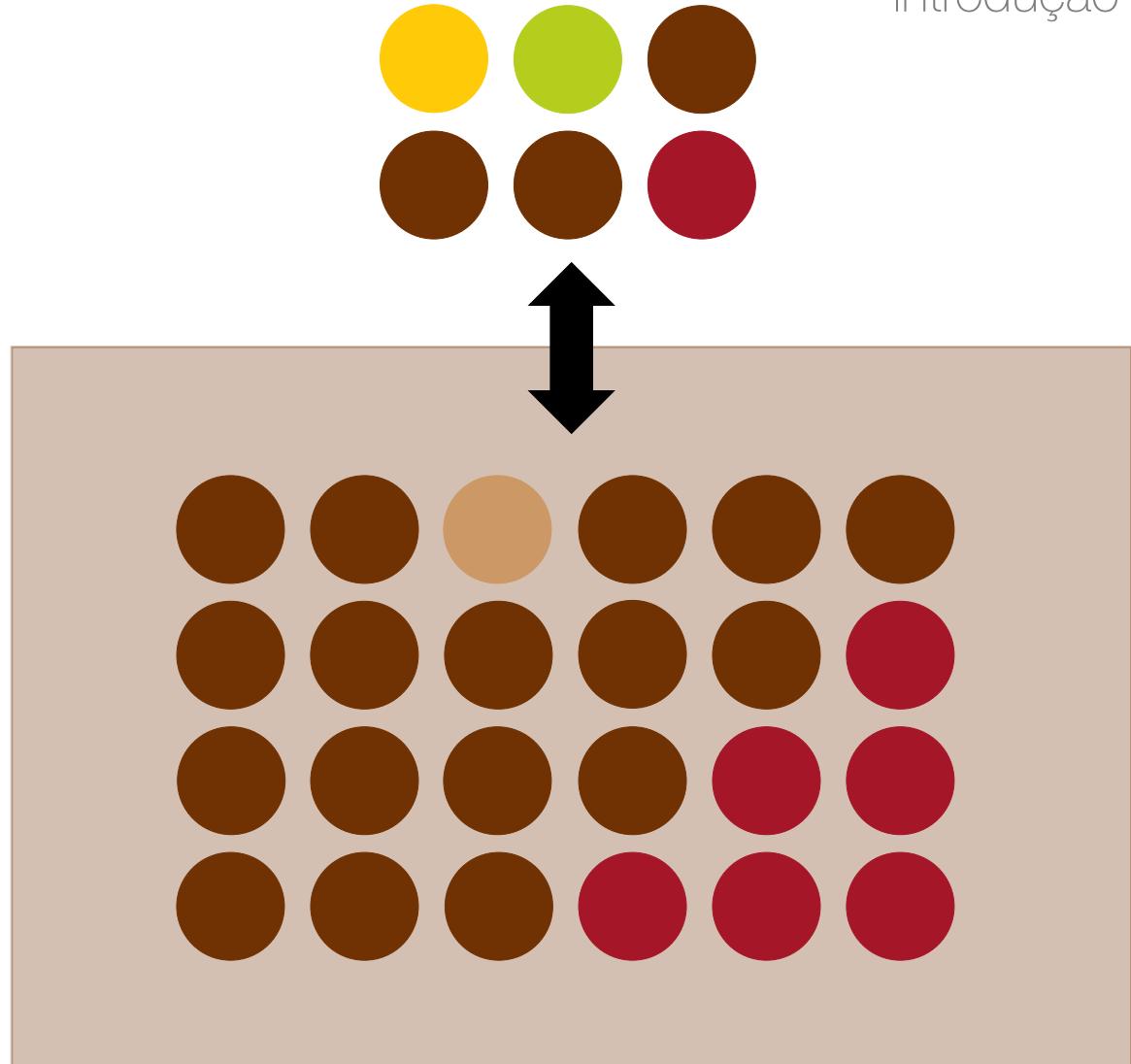
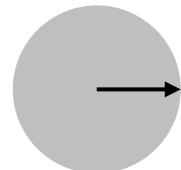
dinâmica evolutiva

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- deriva genética
- **fluxo gênico**
- mutação



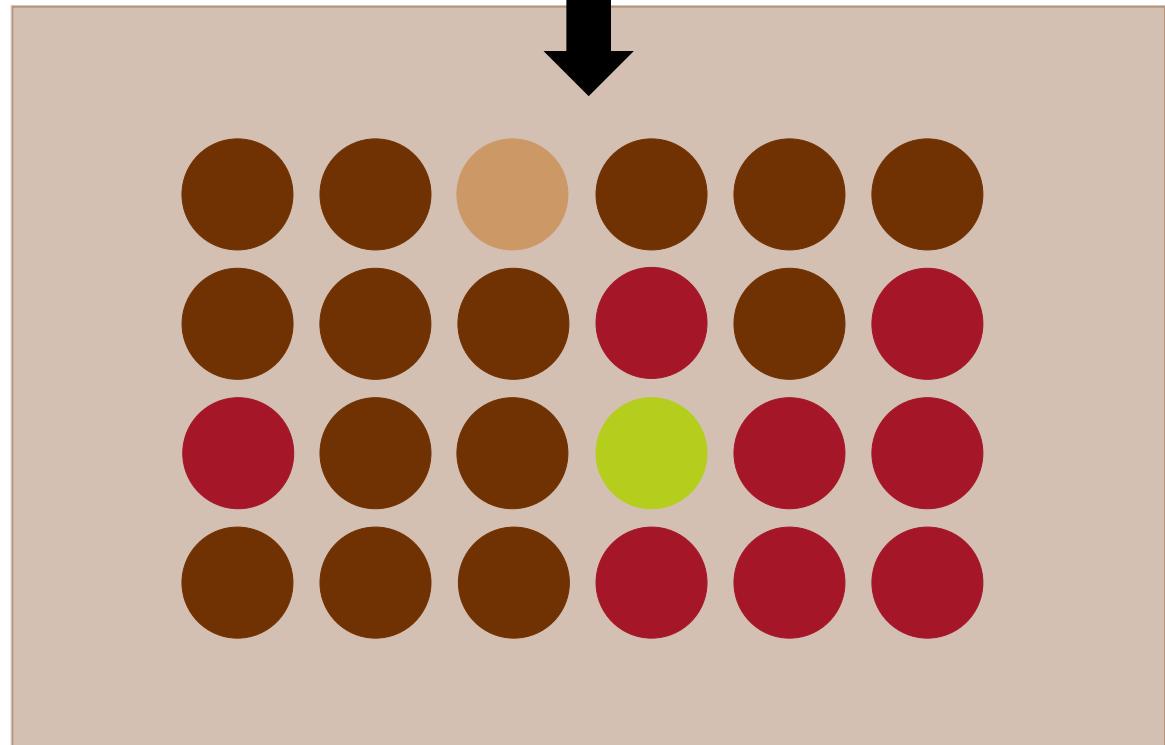
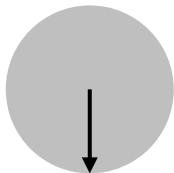
dinâmica evolutiva

- seleção
- deriva genética
- **fluxo gênico**
- mutação



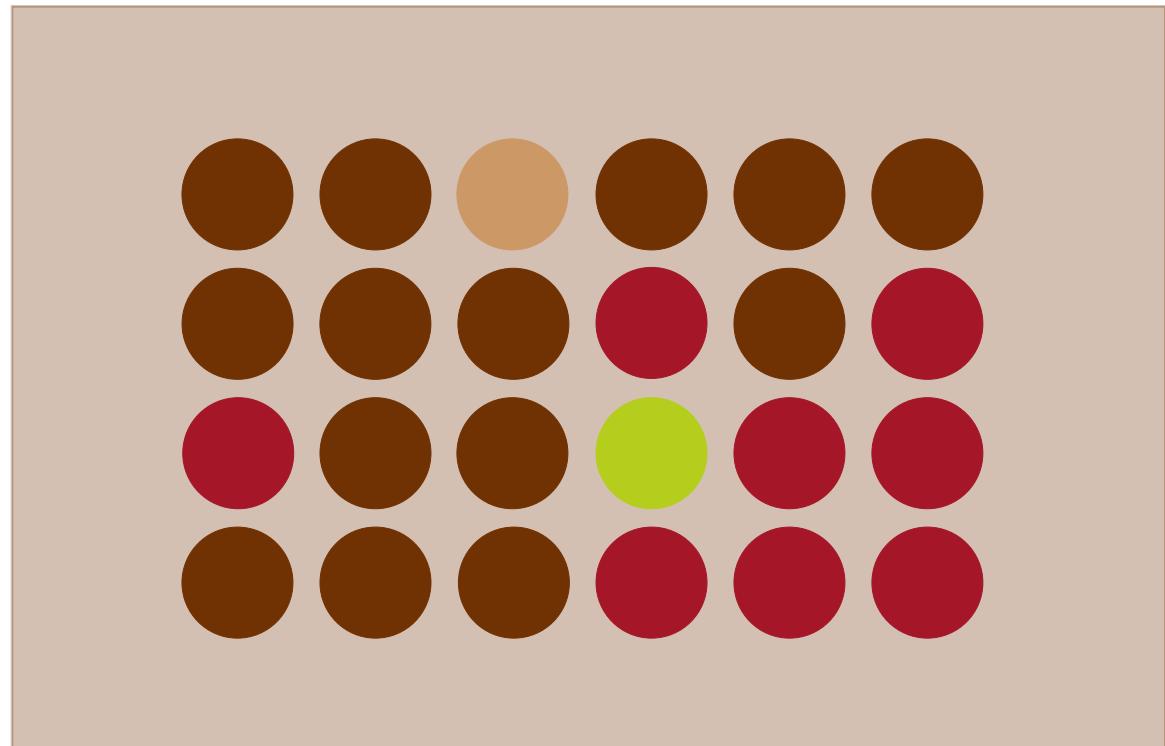
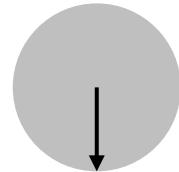
dinâmica evolutiva

- seleção
- deriva genética
- **fluxo gênico**
- mutação



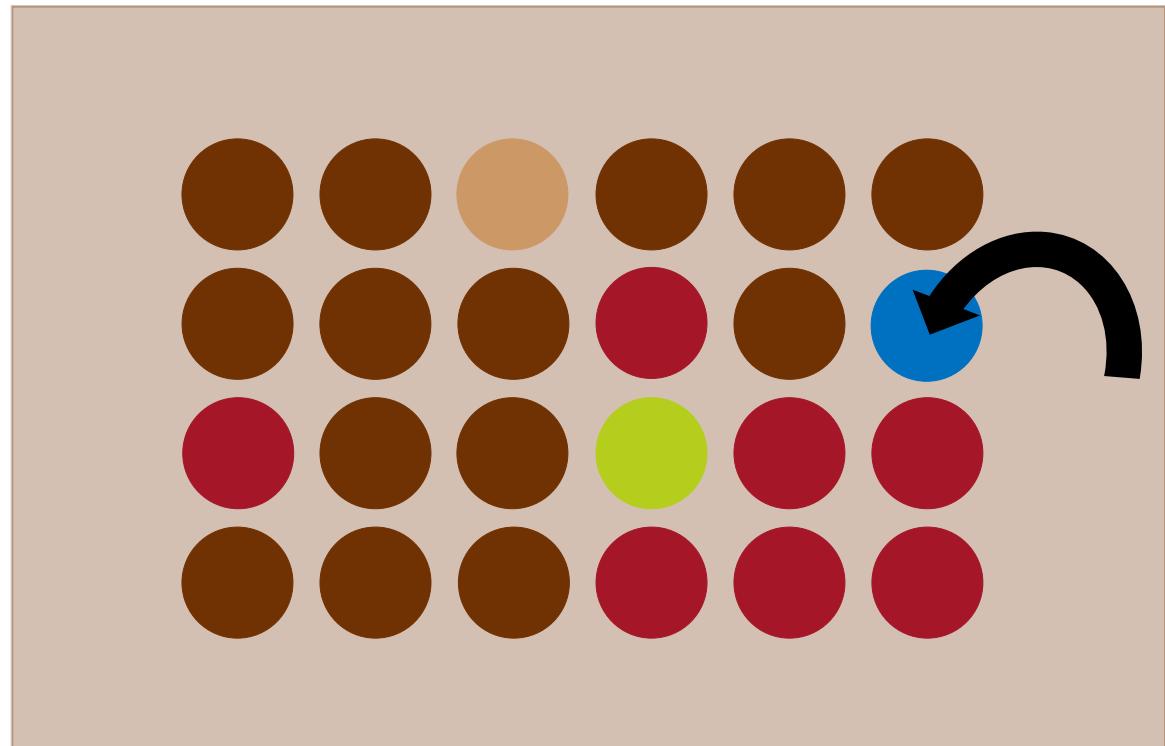
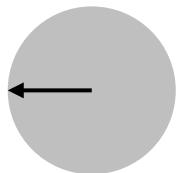
dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- **mutação**



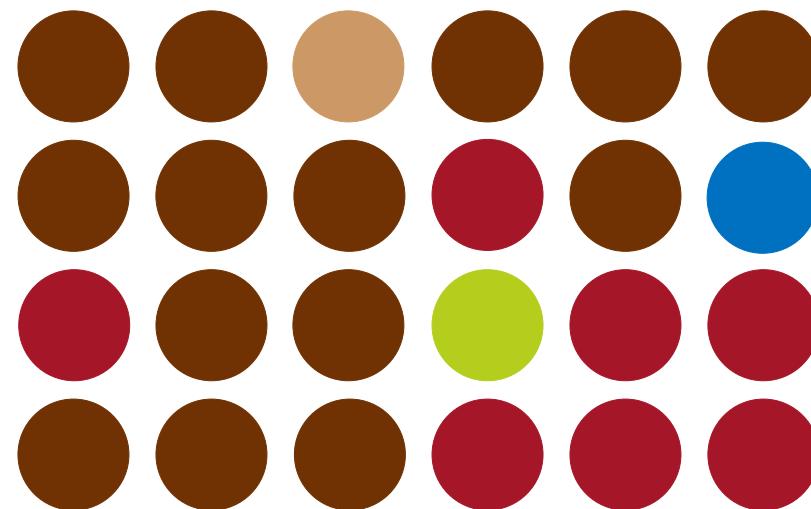
dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- **mutação**



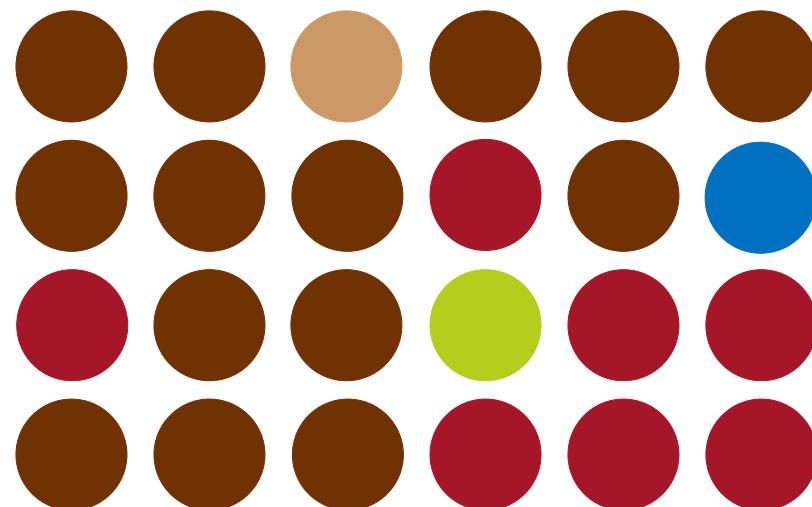
dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação



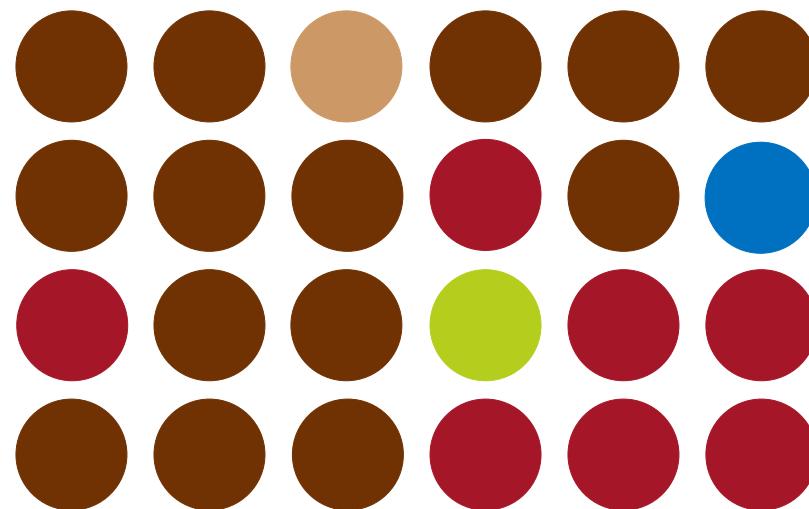
dinâmica evolutiva

- seleção
 - deriva genética
 - fluxo gênico
 - mutação
- } diversidade
- 



dinâmica evolutiva

- seleção
 - deriva genética
 - fluxo gênico
 - mutação
- } diversidade
- ↑ diversidade

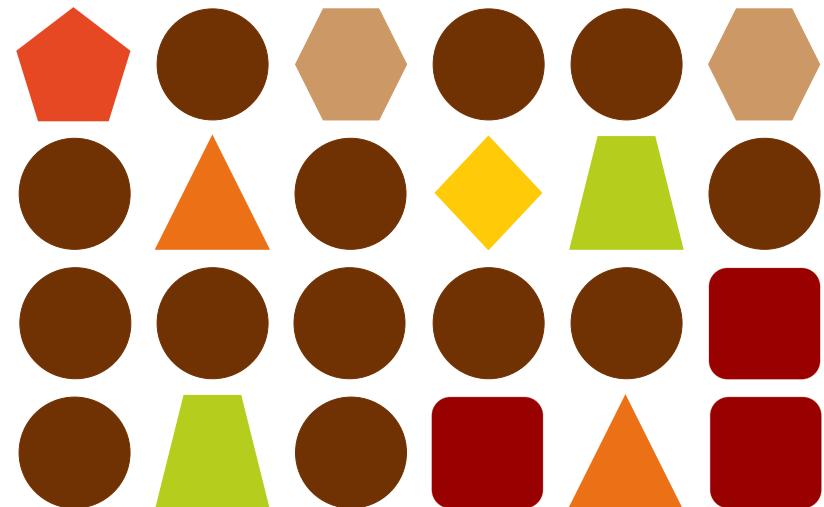




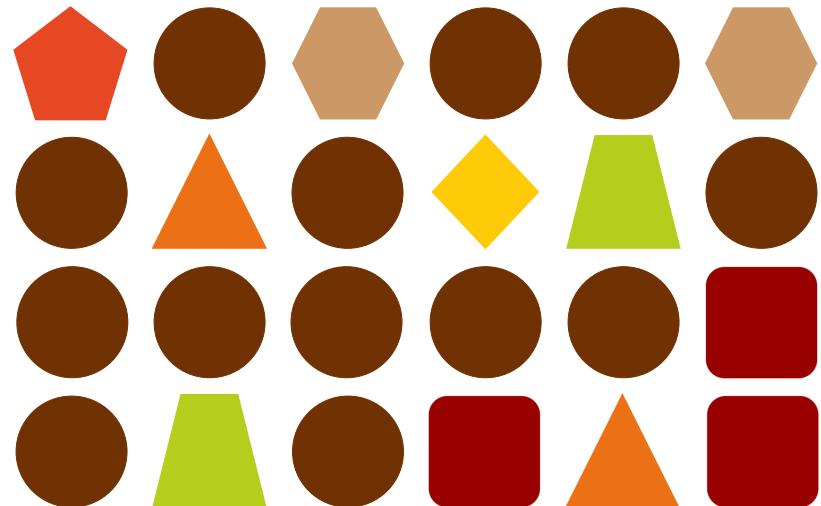
dinâmica ecológica

- filtragem ecológica
- deriva ecológica
- migração
- especiação

dinâmica ecológica



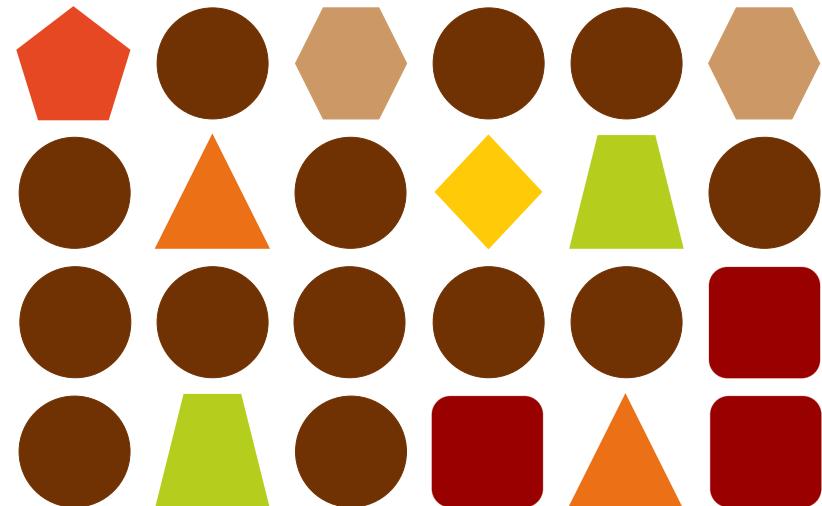
- filtragem ecológica
- deriva ecológica
- migração
- especiação



dinâmica ecológica

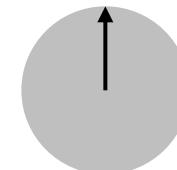
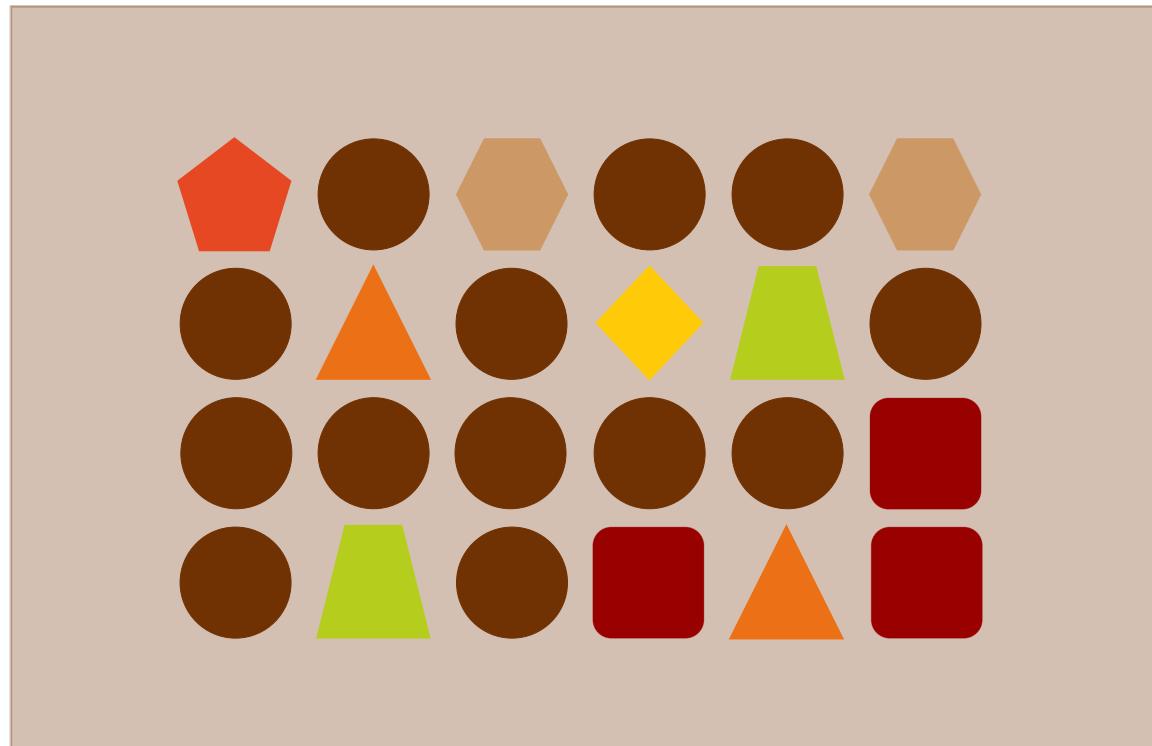
- **filtragem ecológica**
- deriva ecológica
- migração
- especiação

dinâmica ecológica

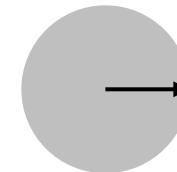
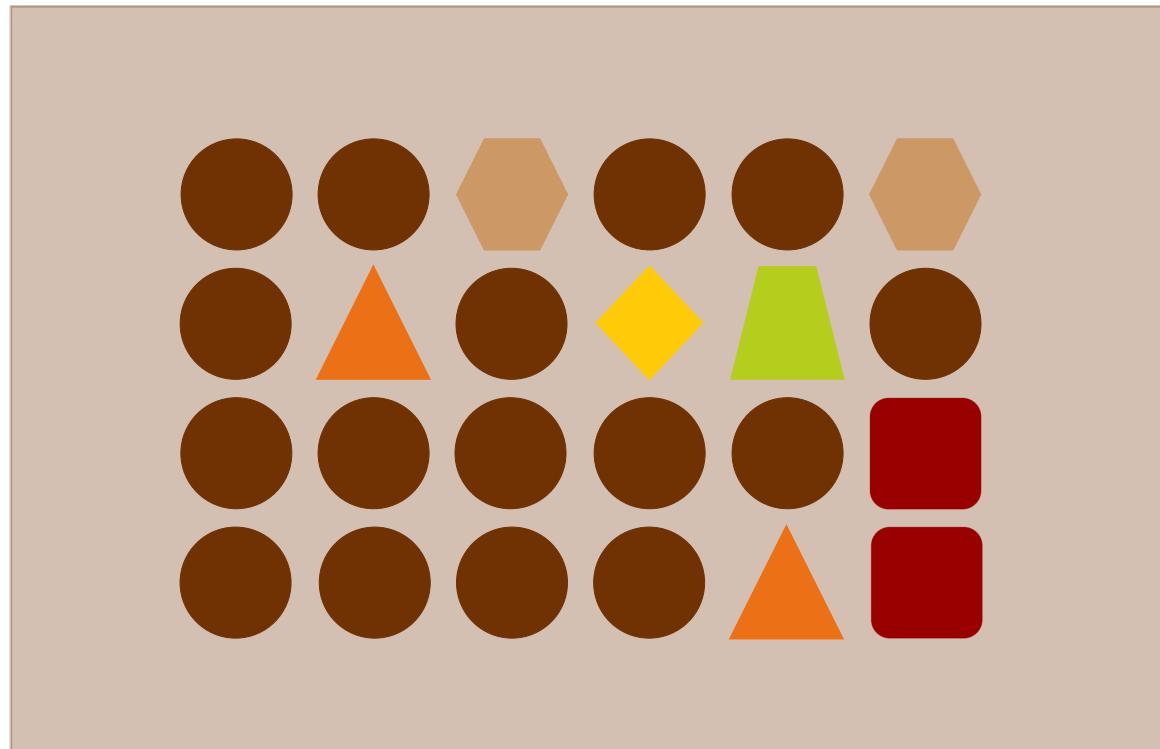


- **exclusão competitiva**
- deriva ecológica
- migração
- especiação

dinâmica ecológica

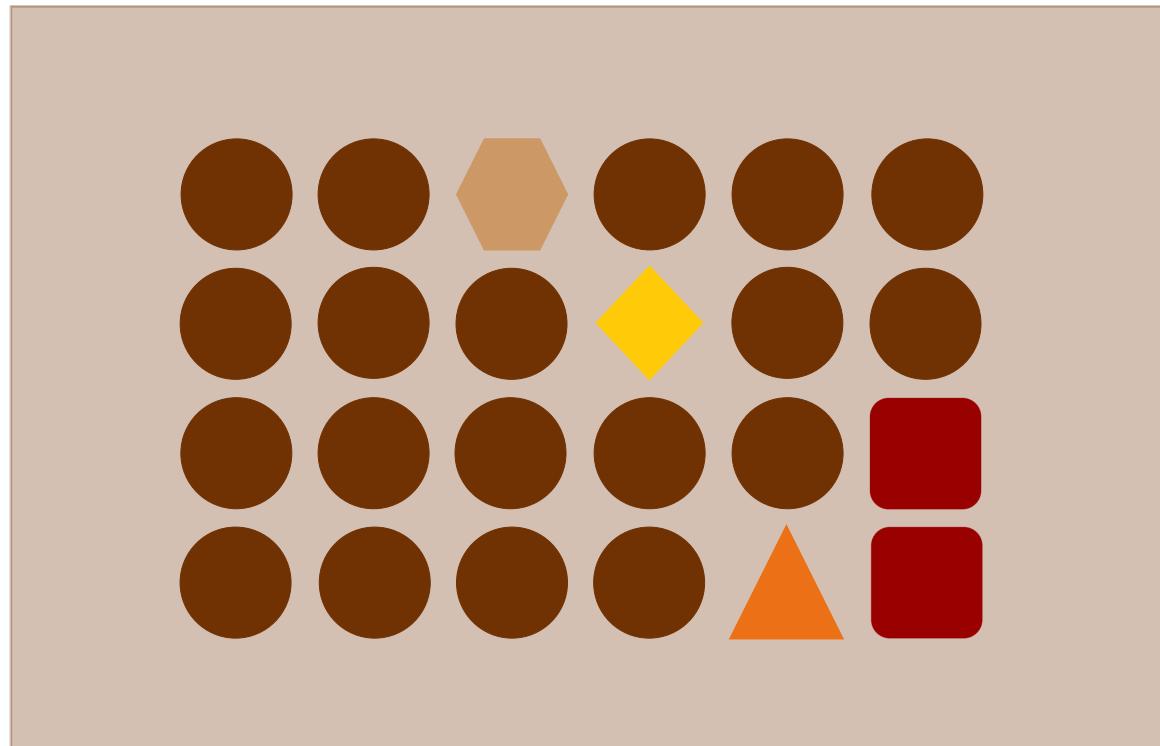


- **exclusão competitiva**
 - deriva ecológica
 - migração
 - especiação



dinâmica ecológica

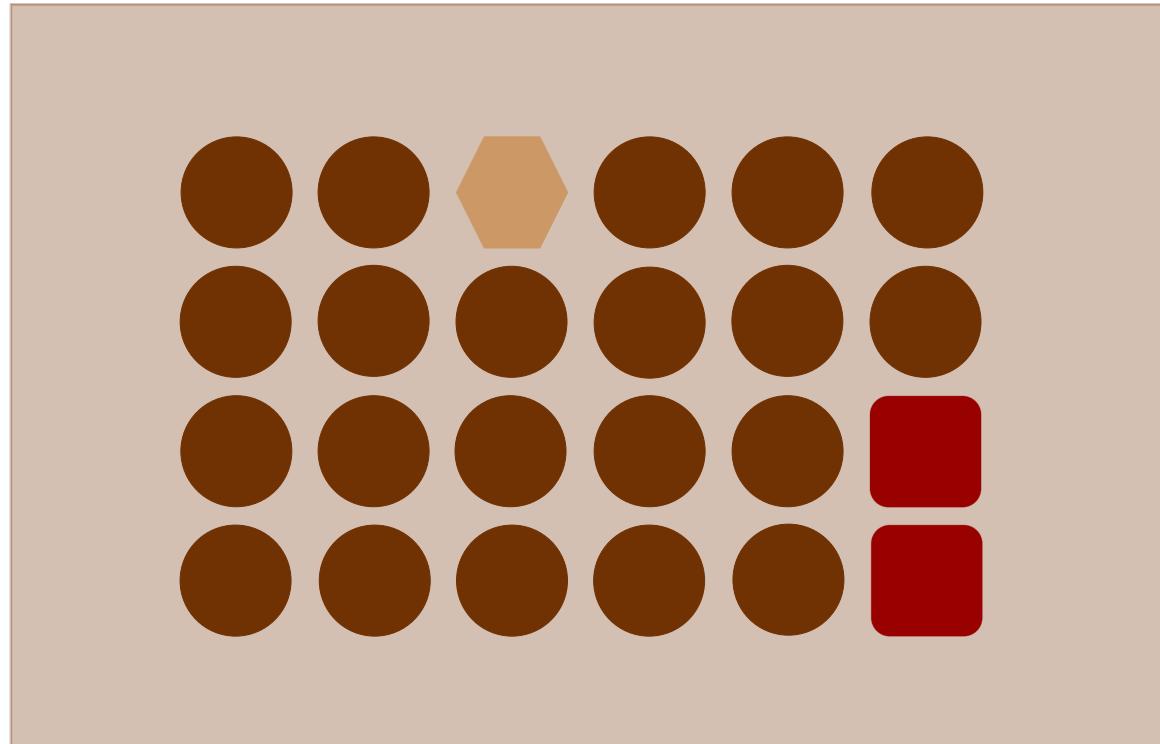
- **exclusão competitiva**
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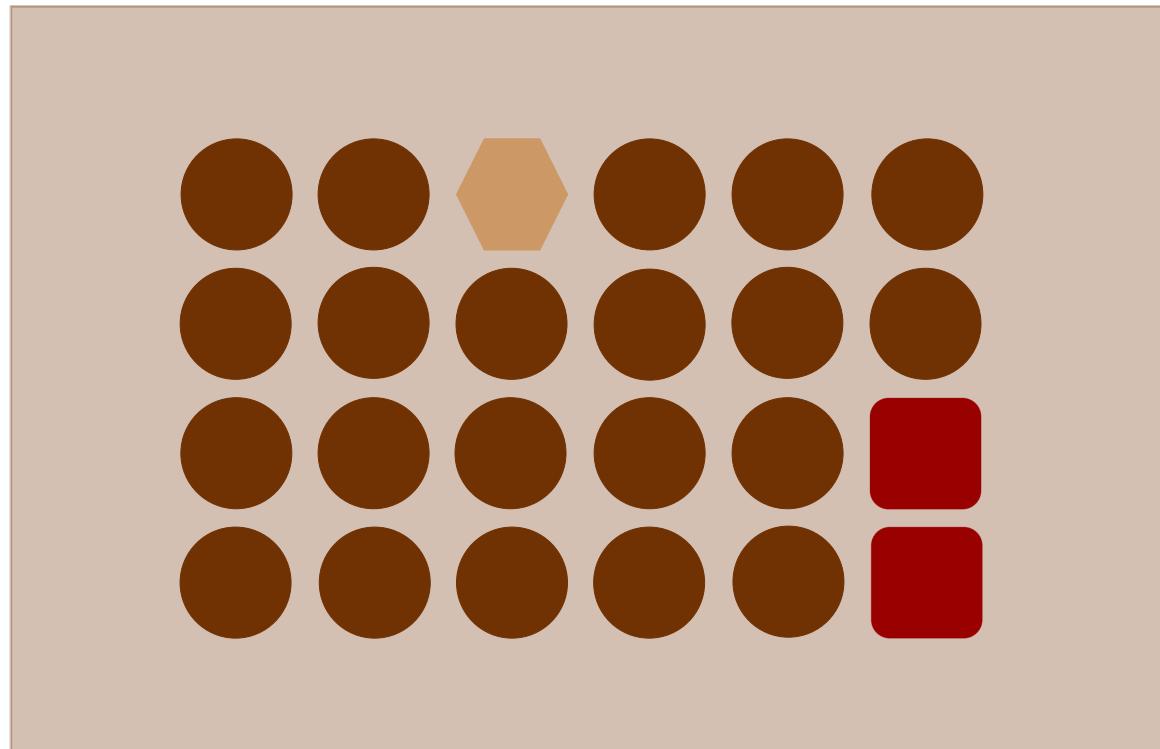
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dinâmica ecológica

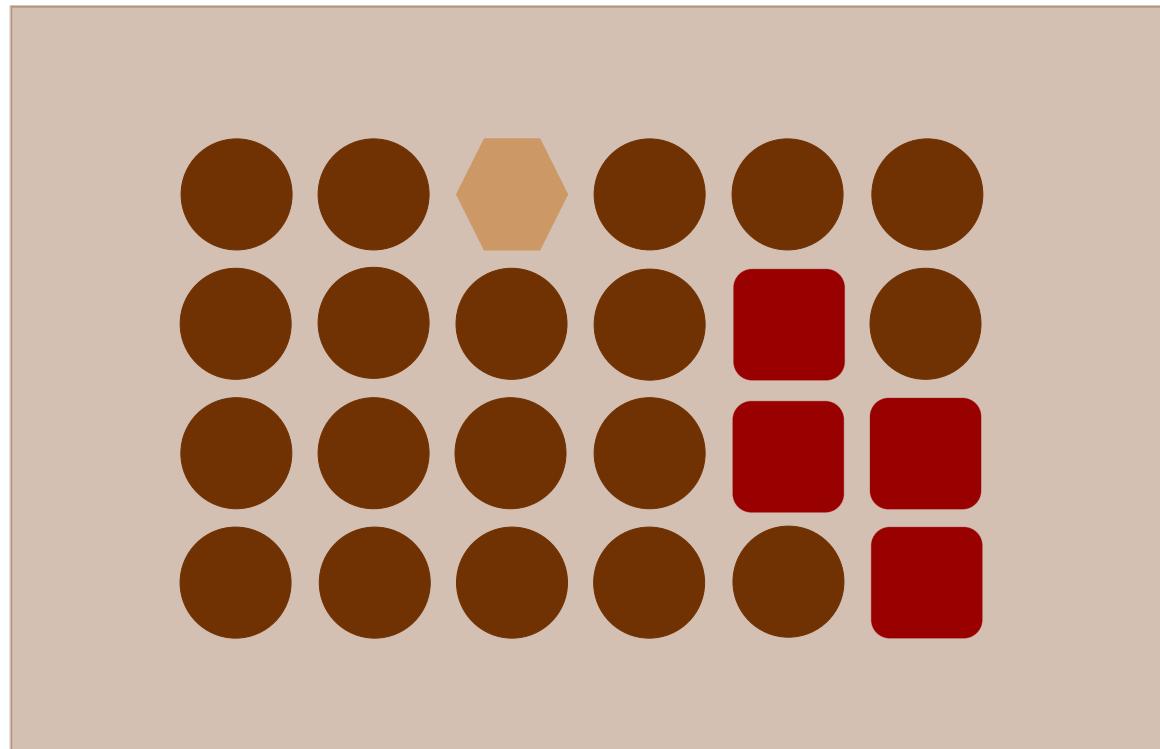


- **exclusão competitiva**
 - deriva ecológica
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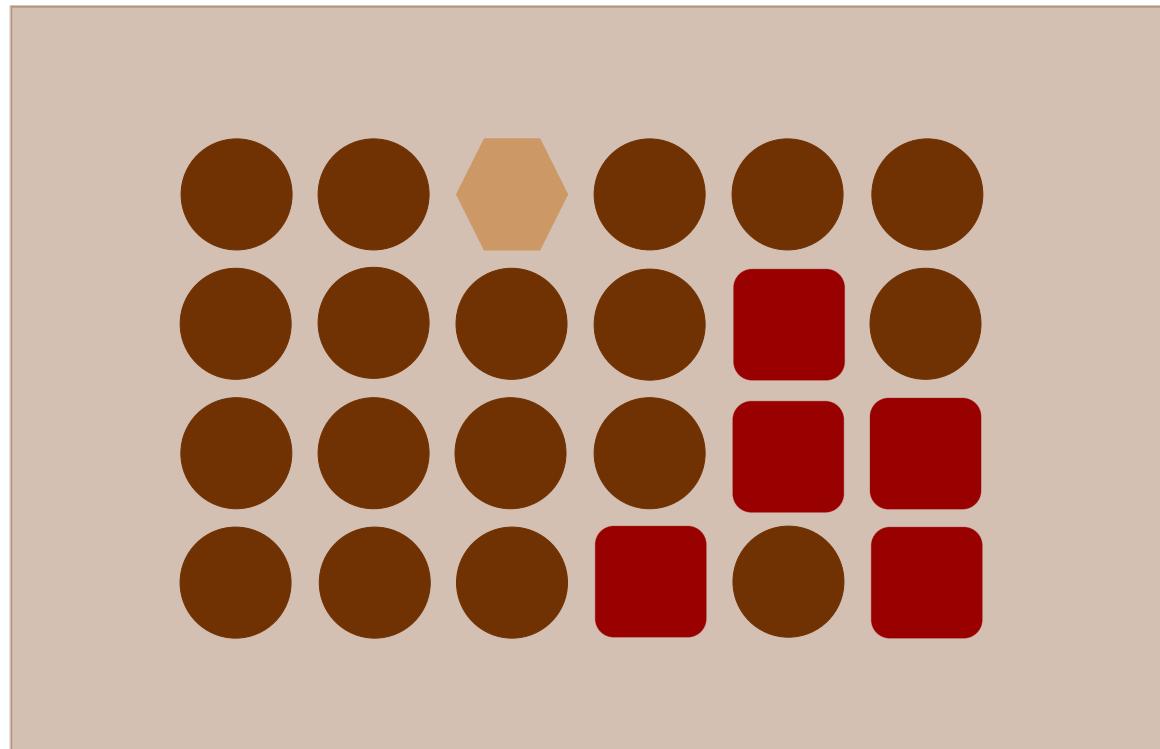
dinâmica ecológica

- exclusão competitiva
- **deriva ecológica**
- migração
- especiação



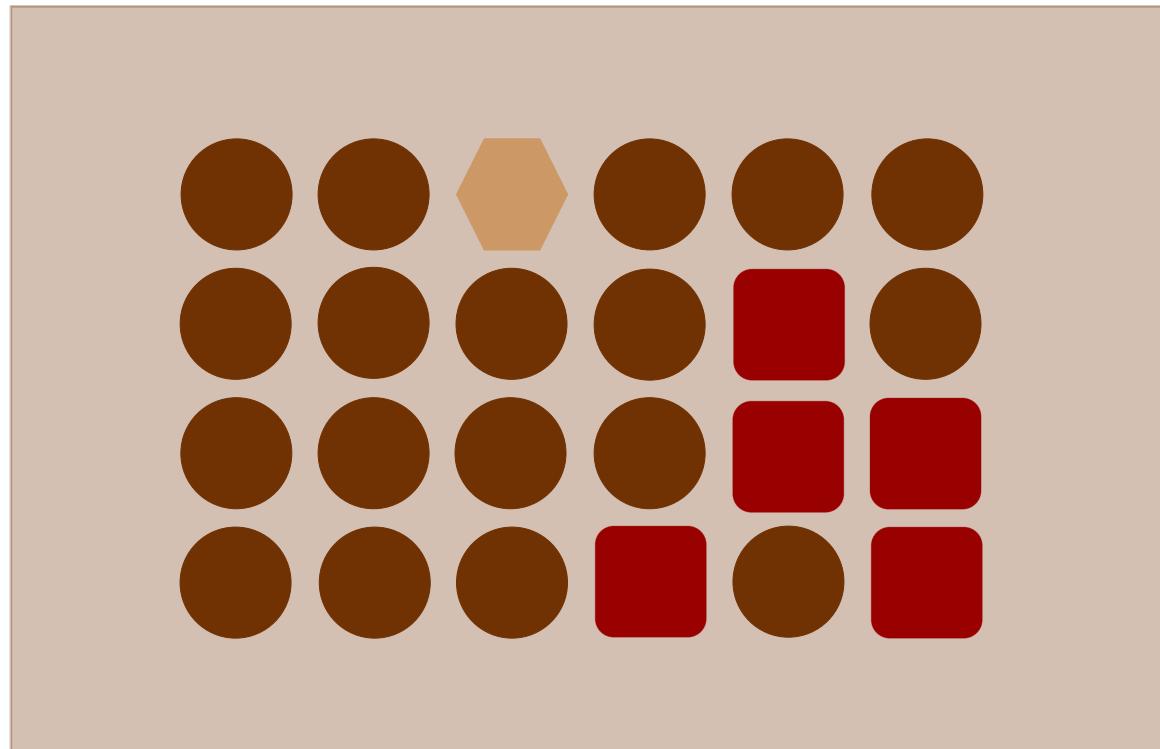
dinâmica ecológica

- exclusão competitiva
- **deriva ecológica**
- migração
- especiação



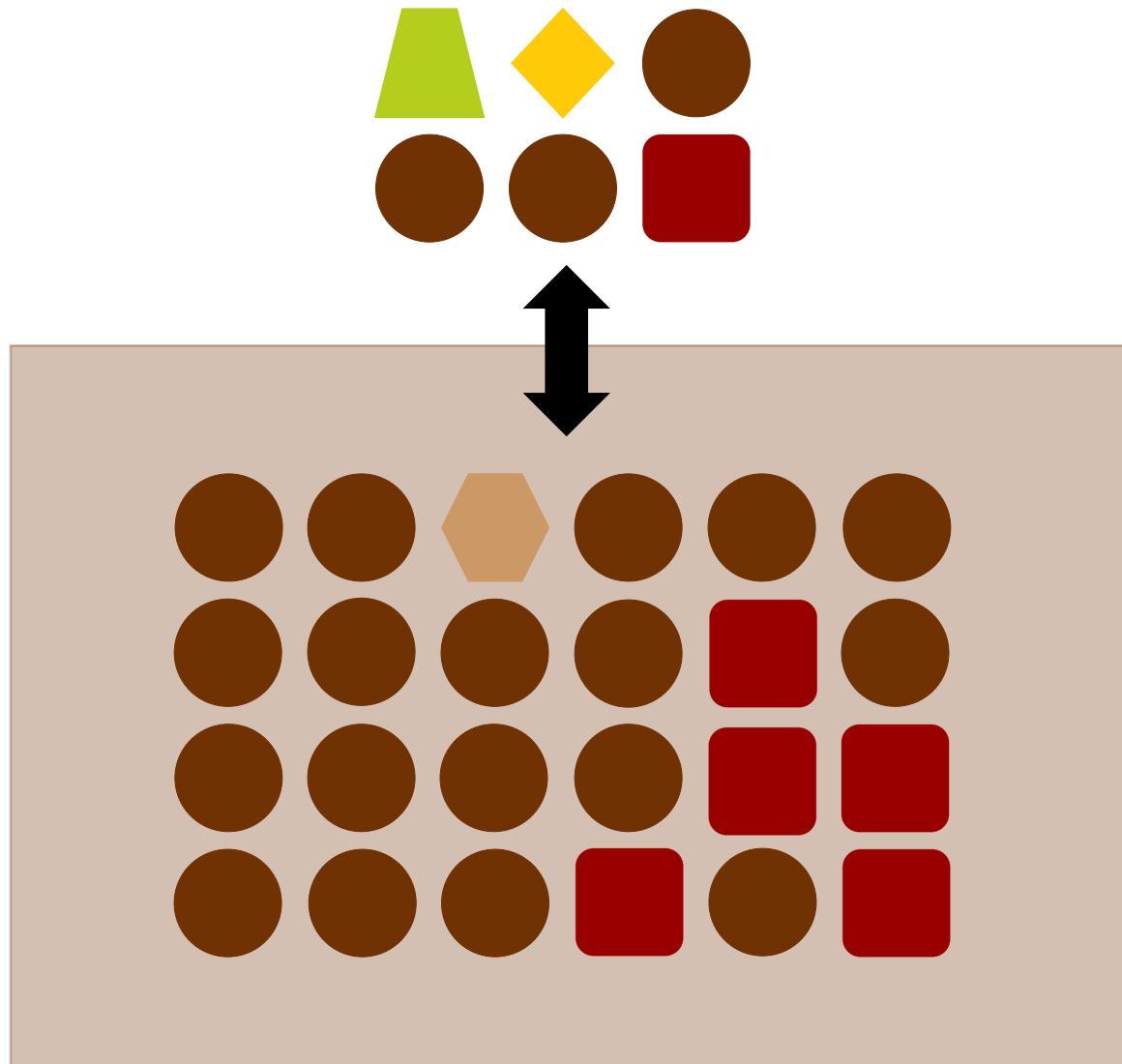
dinâmica ecológica

- exclusão competitiva
- **deriva ecológica**
- migração
- especiação



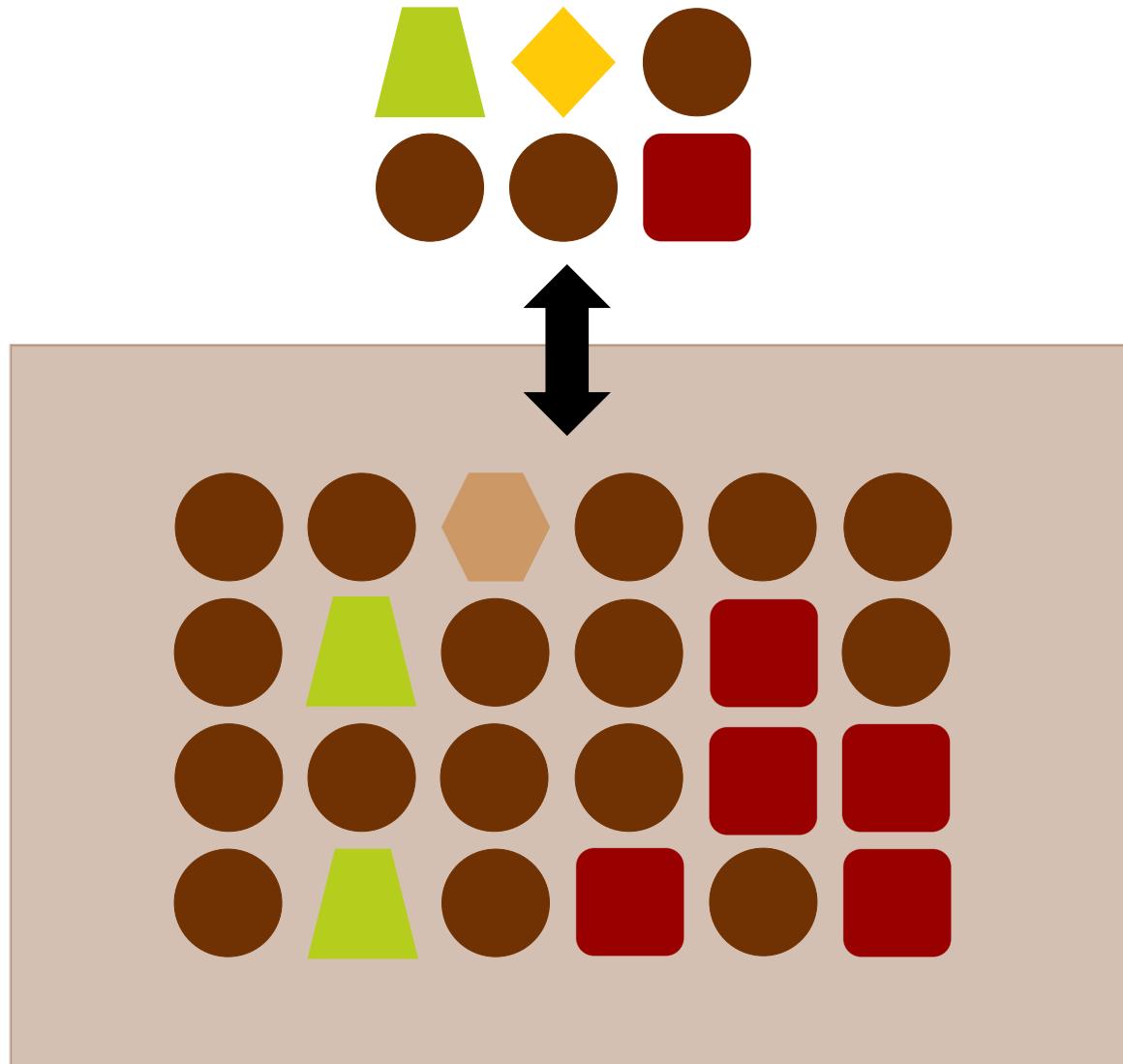
dinâmica ecológica

- exclusão competitiva
- deriva ecológica
- **migração**
- especiação



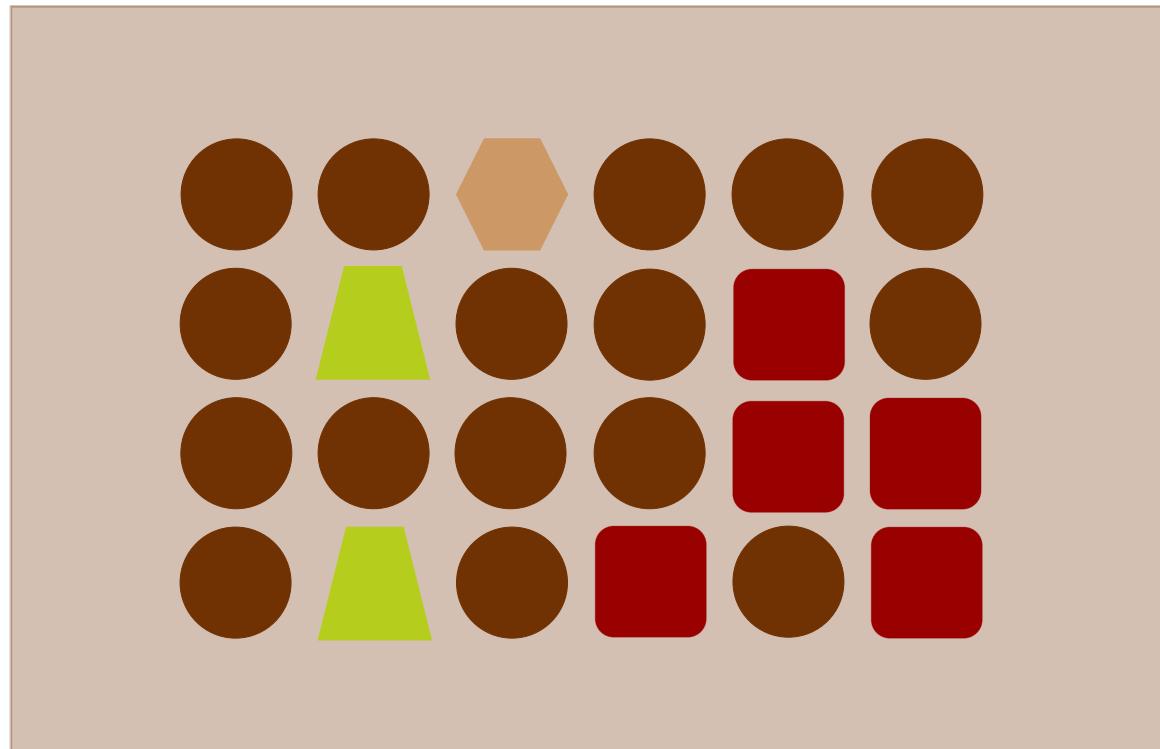
dinâmica ecológica

- exclusão competitiva
- deriva ecológica
- **migração**
- especiação



dinâmica ecológica

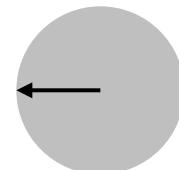
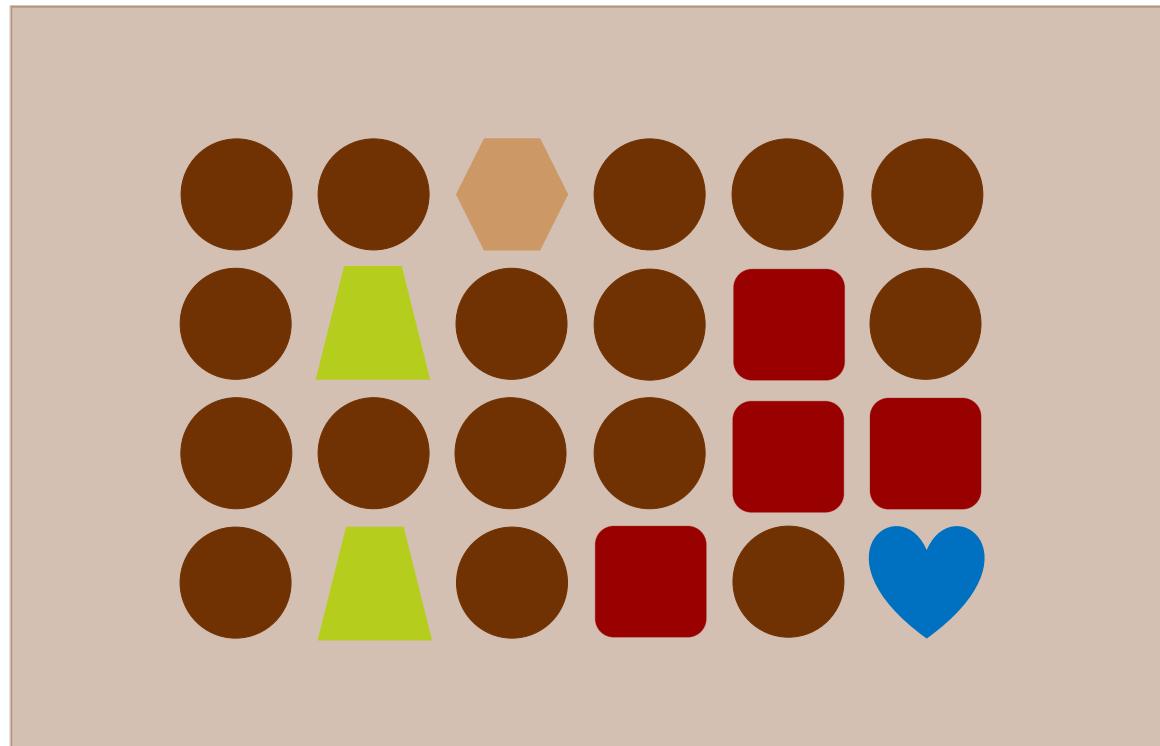
- exclusão competitiva
- deriva ecológica
- **migração**
- especiação



dinâmica ecológica

- exclusão competitiva
- deriva ecológica
- migração
- **especiação**

dinâmica ecológica



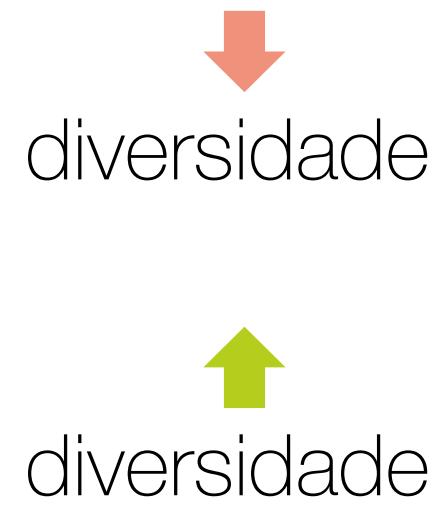
- exclusão competitiva
- deriva ecológica
- migração
- **especiação**

dinâmica ecológica

diversidade



- exclusão competitiva
- deriva ecológica
- migração
- especiação



dinâmica ecológica

- exclusão competitiva
- deriva ecológica
- migração
- especiação

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

diversidade
↓
diversidade
↑

dinâmica ecológica

- exclusão competitiva
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva



dinâmica
ecológica

- seleção
- deriva genética
- fluxo gênico
- mutação
- exclusão competitiva
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



- seleção
- deriva genética
- fluxo gênico
- mutação
- exclusão competitiva
- deriva ecológica
- migração
- especiação



- seleção ←
- deriva genética
- fluxo gênico
- mutação
- exclusão competitiva
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



- seleção ← melhores competidores = mais aptos
- deriva genética
- fluxo gênico
- mutação
- exclusão competitiva
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



- seleção → • exclusão competitiva
- deriva genética
- deriva ecológica
- fluxo gênico
- migração
- mutação
- especiação

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



mudança nos atributos =
mudança nas interações

- seleção
- deriva genética
- fluxo gênico
- mutação
- exclusão competitiva
- deriva ecológica
- migração
- especiação



- seleção ← → • exclusão competitiva
- deriva genética
- fluxo gênico
- mutação
- deriva ecológica
- migração
- especiação



- seleção ← → exclusão competitiva
- deriva genética ← → deriva ecológica
- fluxo gênico ← → migração
- mutação ← → especiação

dinâmica
evolutiva

dinâmica
ecológica

estratégia de vida

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



estratégia de vida

estratégia de vida

sobrevivência  reprodução

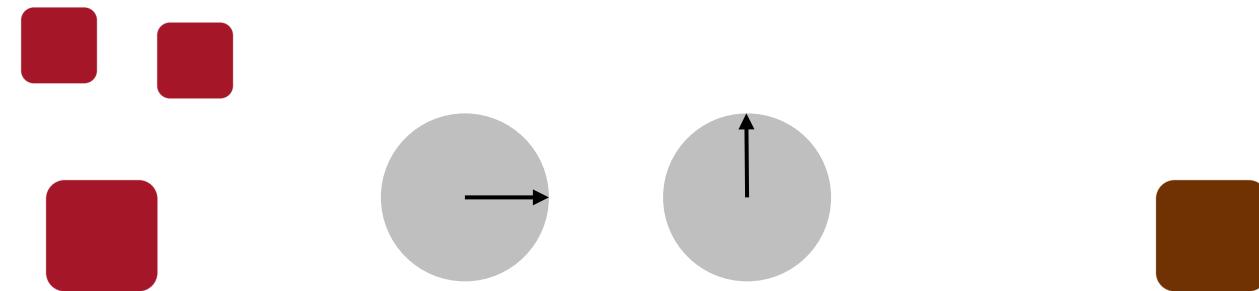
estratégia de vida

sobrevivência ← → reprodução



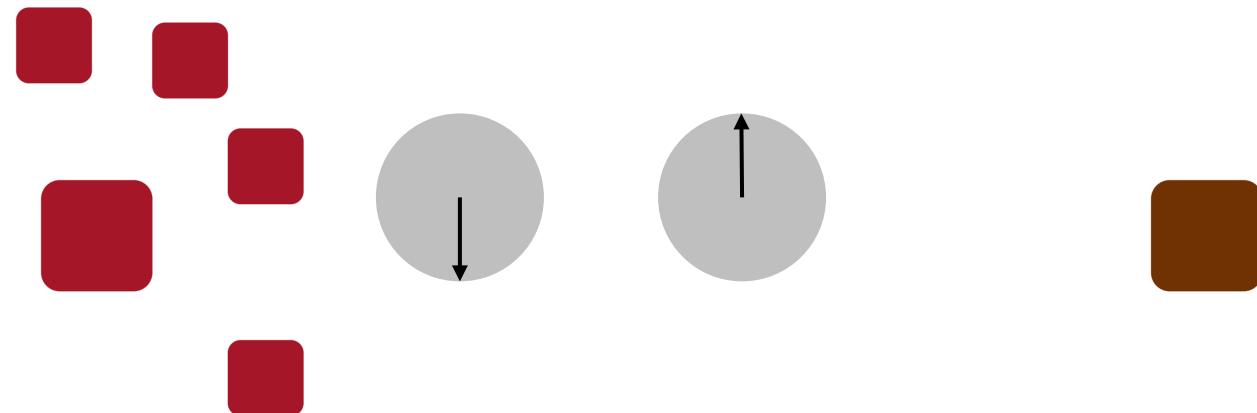
estratégia de vida

sobrevivência ← → reprodução



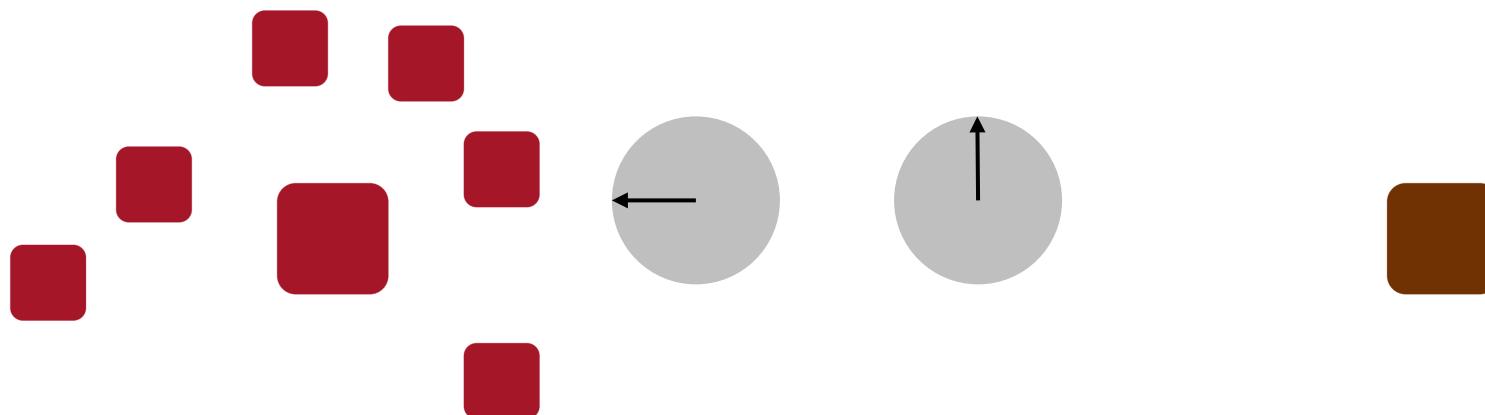
estratégia de vida

sobrevivência ← → reprodução



estratégia de vida

sobrevivência ← → reprodução

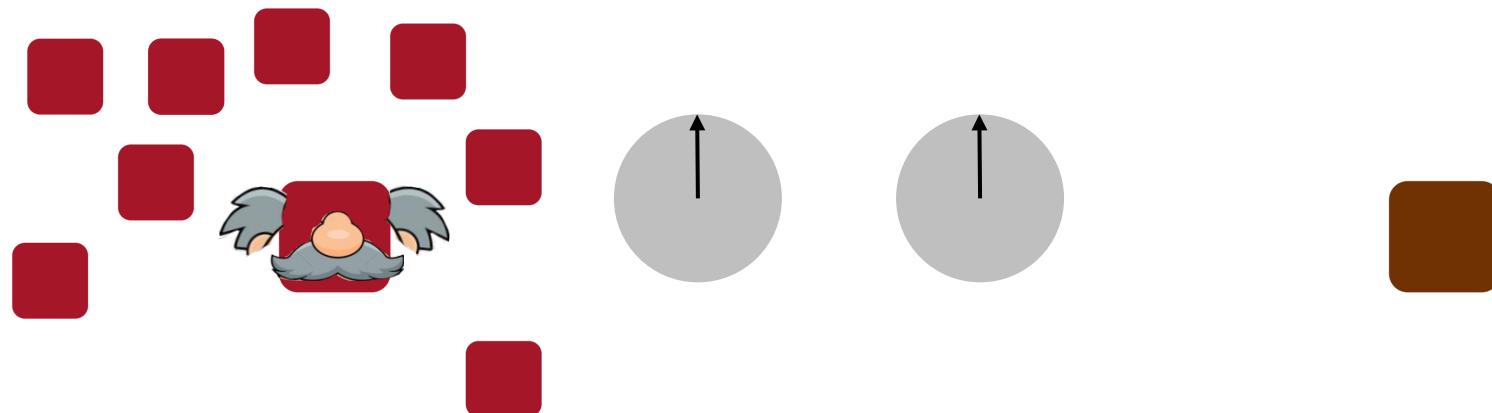


estratégia de vida

sobrevivência



reprodução

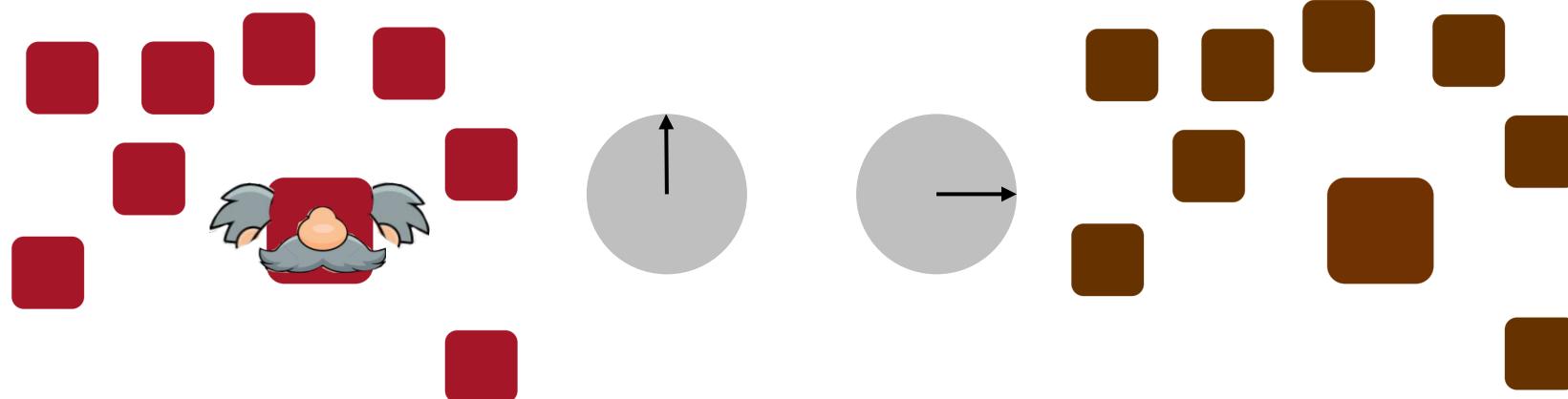


estratégia de vida

sobrevivência



reprodução

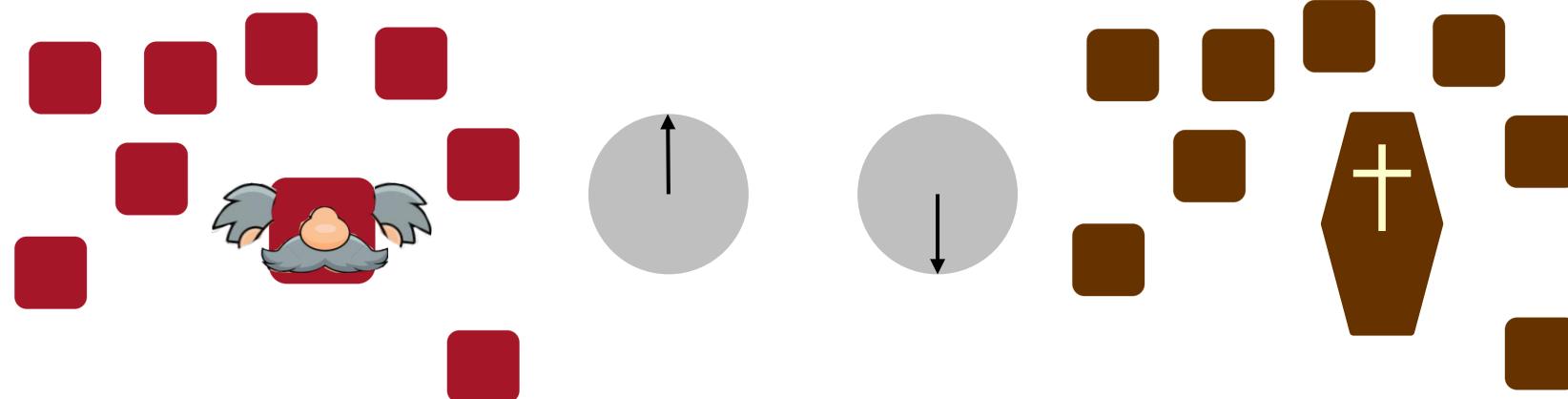


estratégia de vida

sobrevivência



reprodução

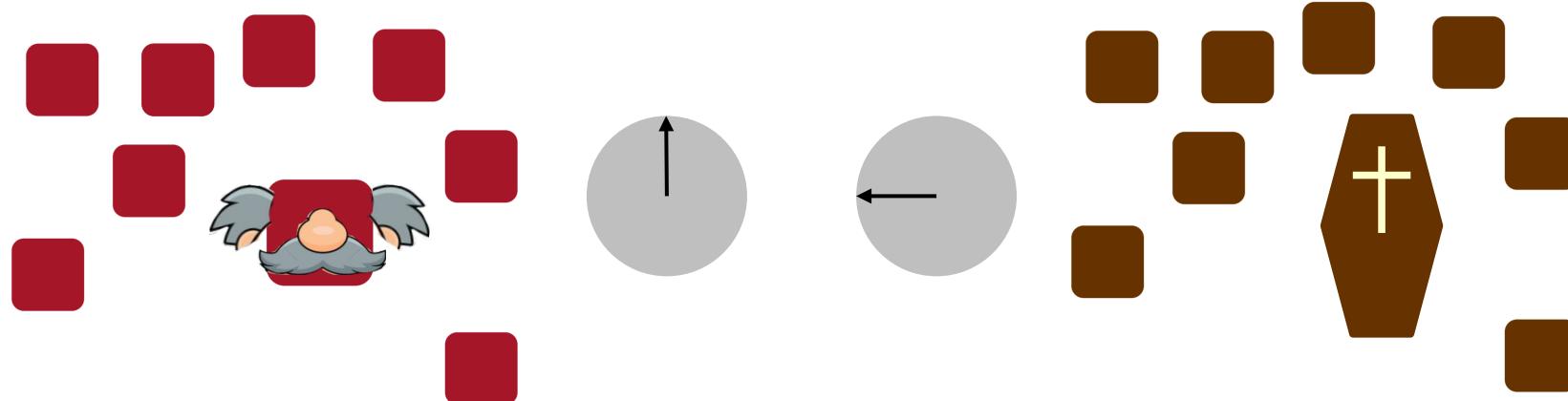


estratégia de vida

sobrevivência



reprodução

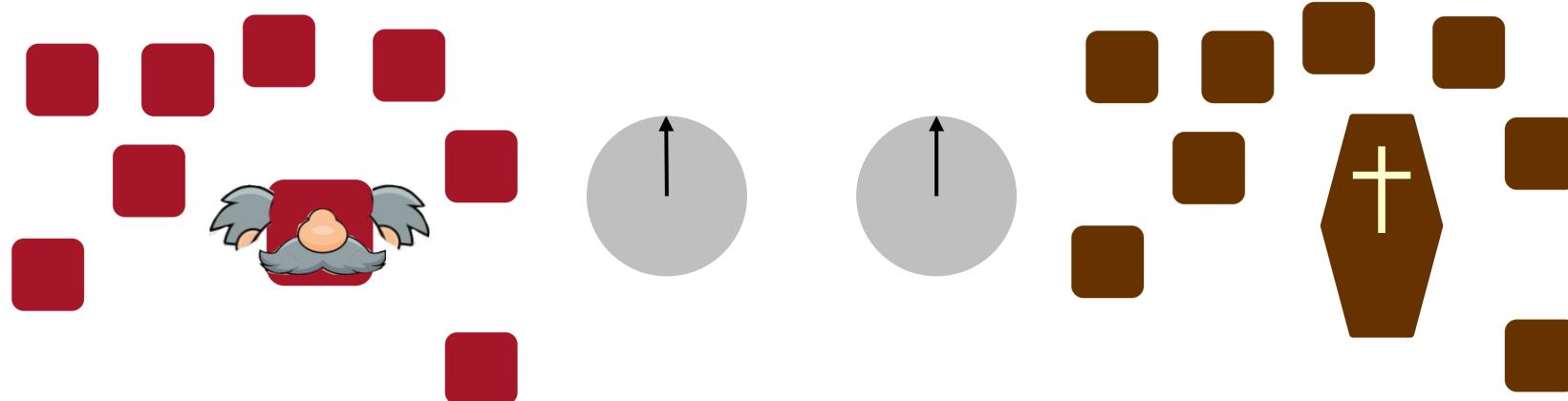


estratégia de vida

sobrevivência



reprodução





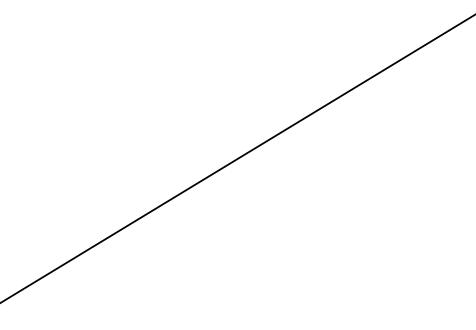
dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica

estratégia de vida

número de
descendentes



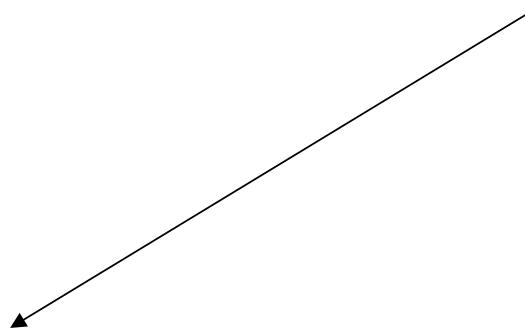
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evolutiva

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eco-evolutiva

dinâmica
ecológica

estratégia de vida

aptidão



dinâmica
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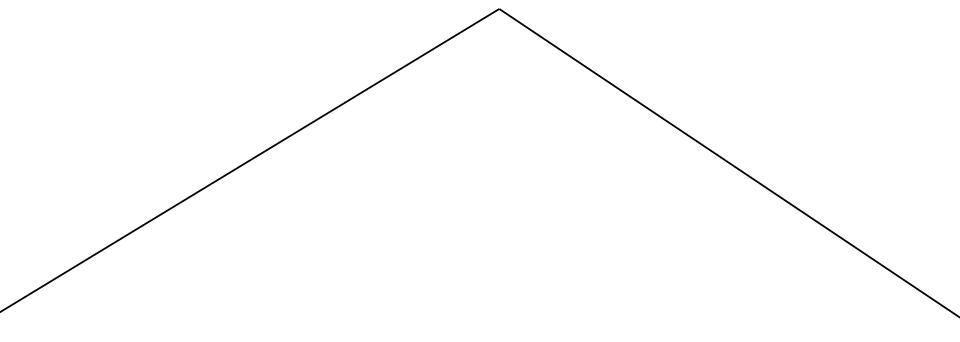
dinâmica
eco-evolutiva

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ecológica

estratégia de vida

aptidão

uso eficiente
do recurso



dinâmica
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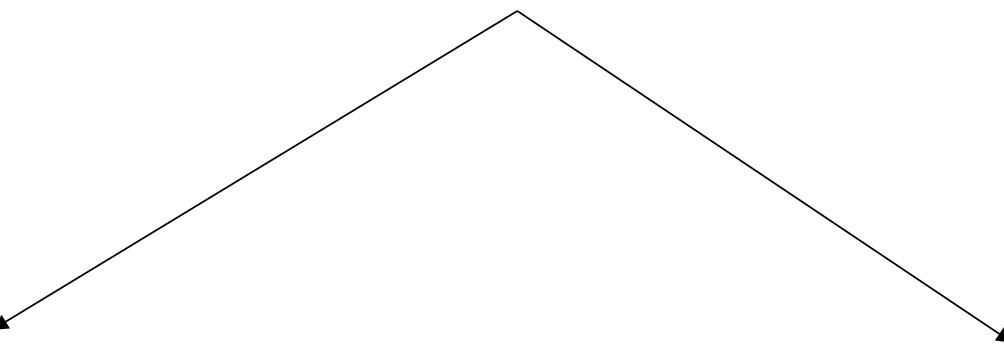
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eco-evolutiva

dinâmica
ecológica

estratégia de vida

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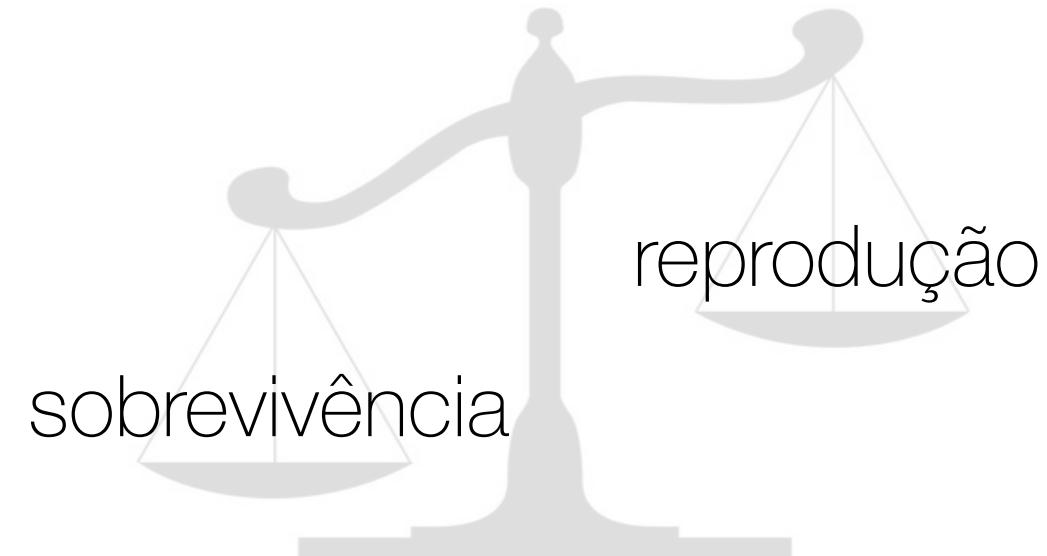
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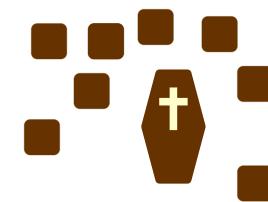


estratégia de vida



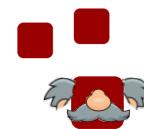
fatores ambientais





↓ recurso

reprodução



sobrevivência

distúrbio



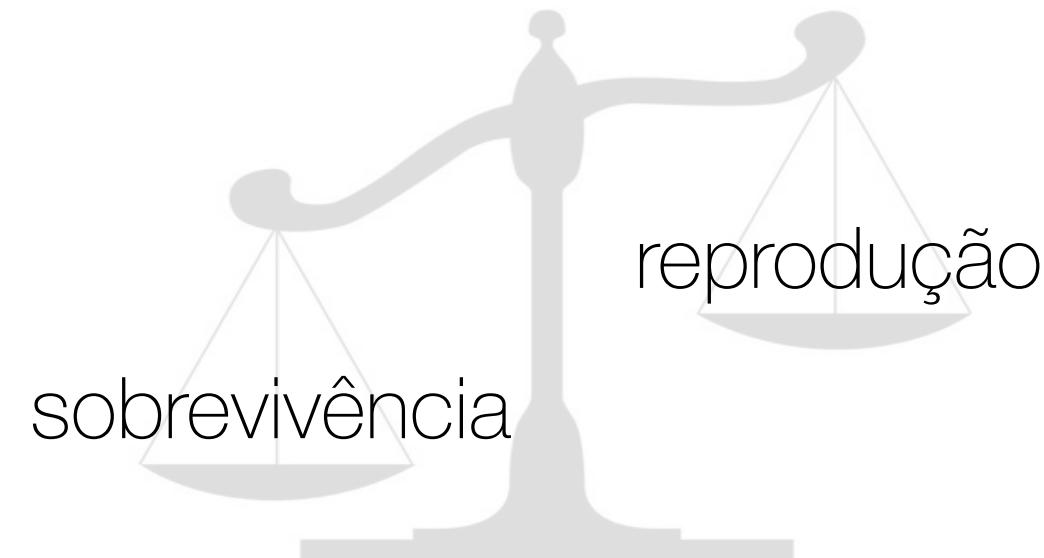
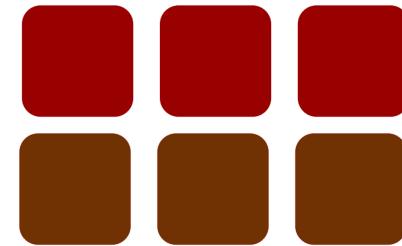
recurso



distúrbio



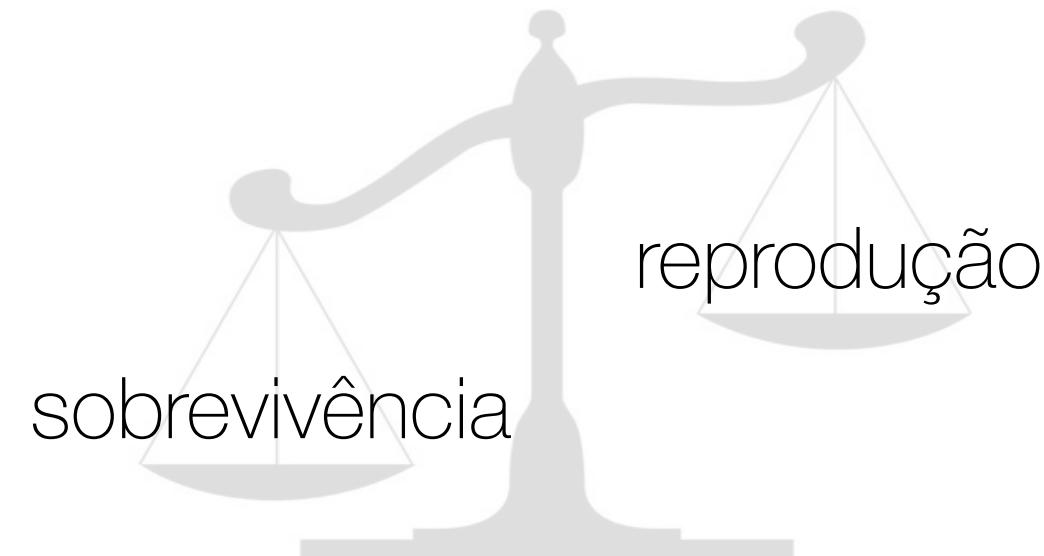
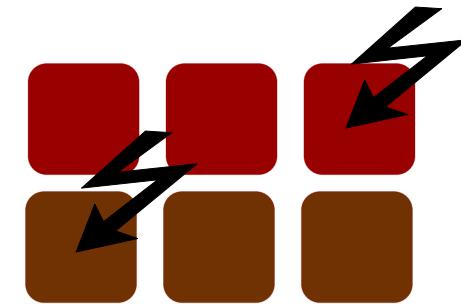
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distúrbio



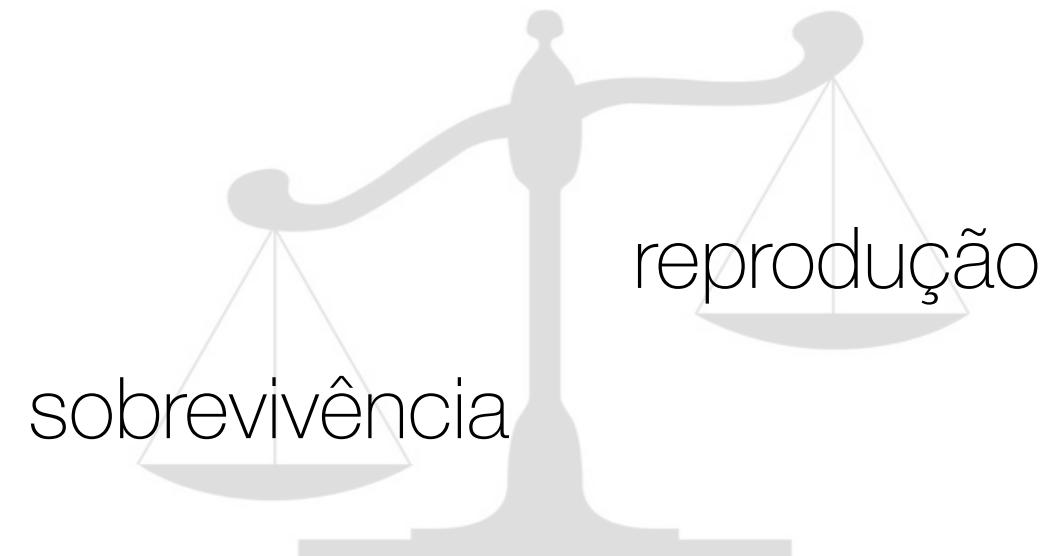
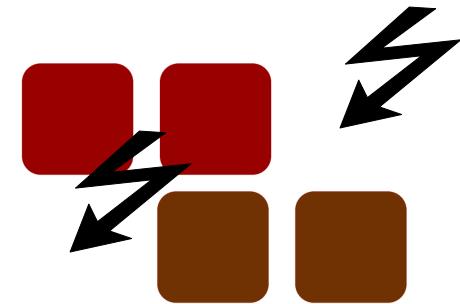
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distúrbio



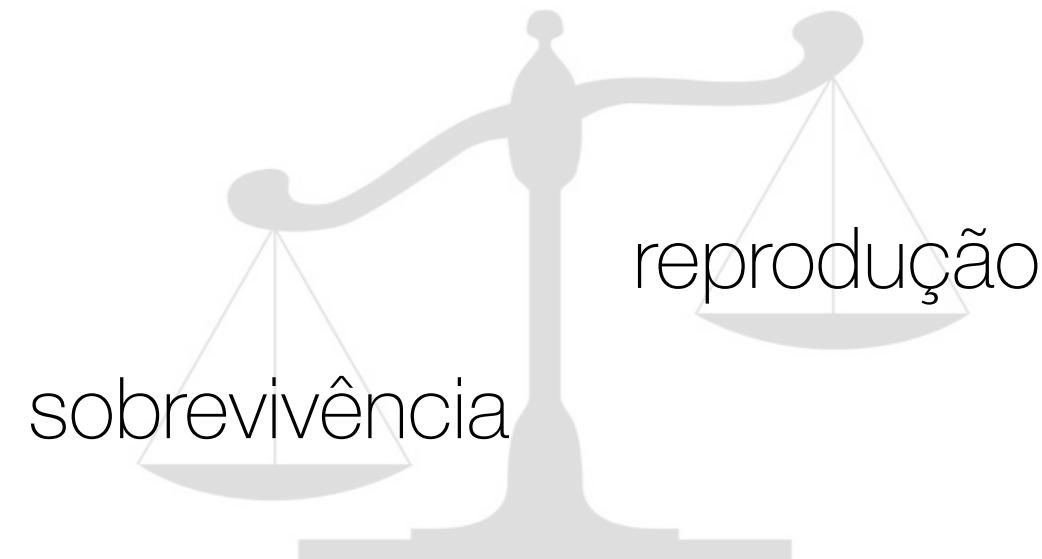
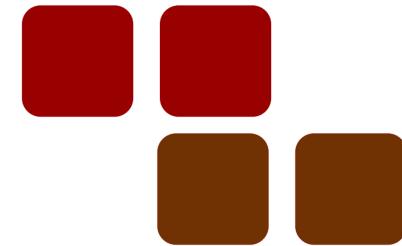
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distúrbio



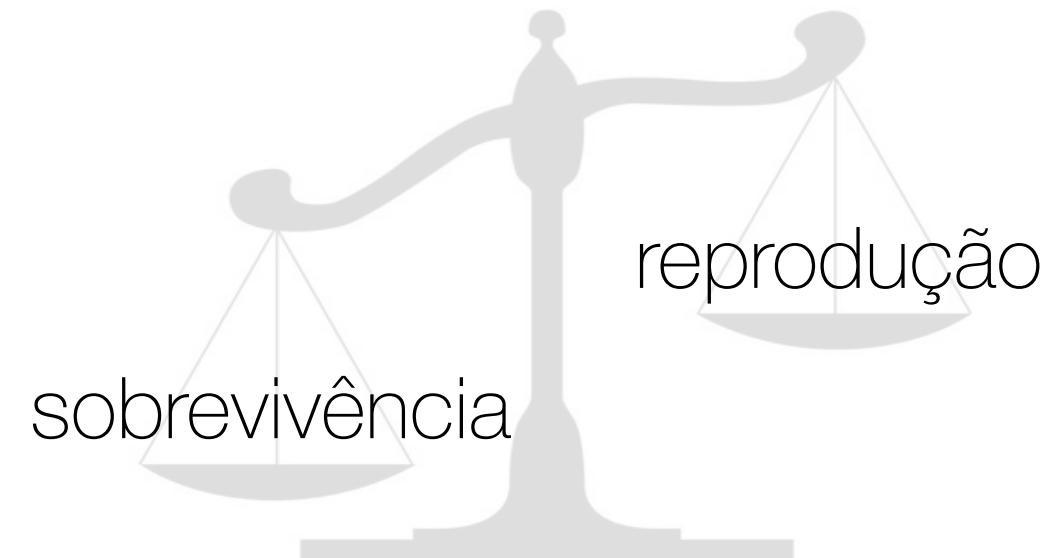
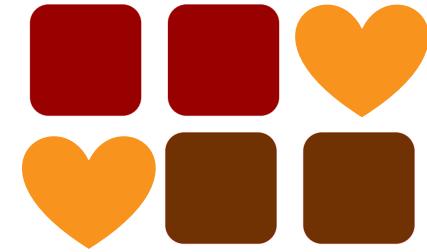
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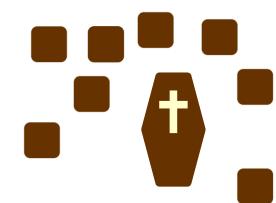
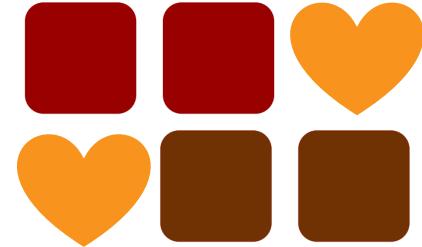
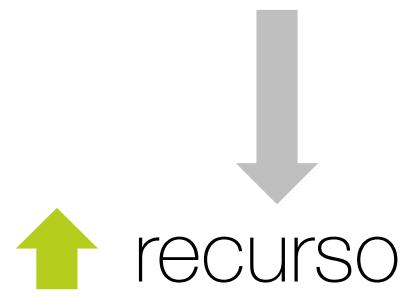
distúrbio



recurso



distúrbio



distúrbio

- abundância
- recurso

distúrbio

dinâmica
evolutiva

- abundância
- recurso

dinâmica
ecológica

distúrbio

dinâmica
evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

dinâmica
ecológica

- filtragem
- deriva ecológica
- migração
- especiação

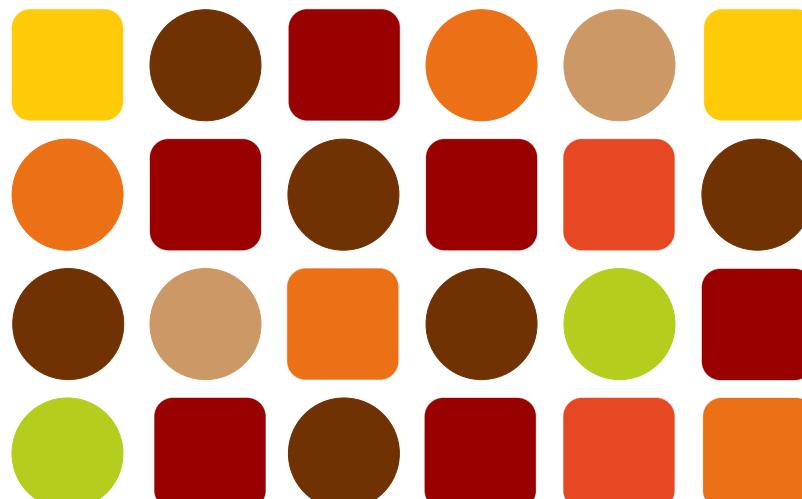
distúrbio

dinâmica
evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

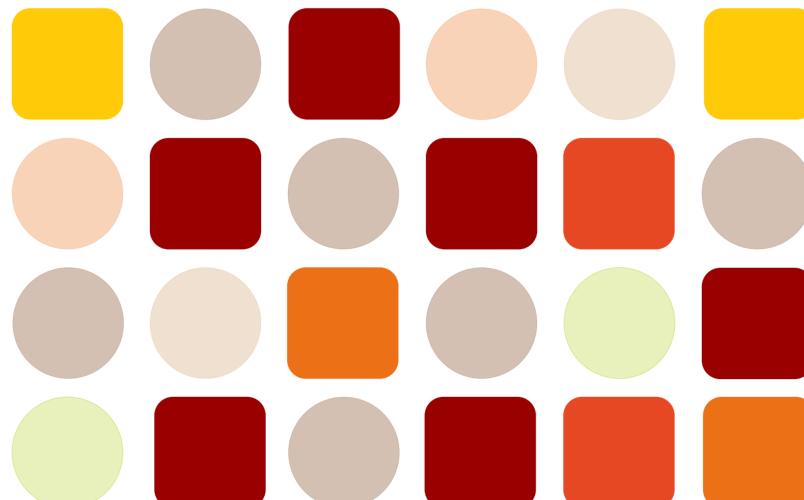
dinâmica
ecológica



- filtragem
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação



distúrbio

- abundância
- recurso

dinâmica
ecológica

- filtragem
- deriva ecológica
- migração
- especiação

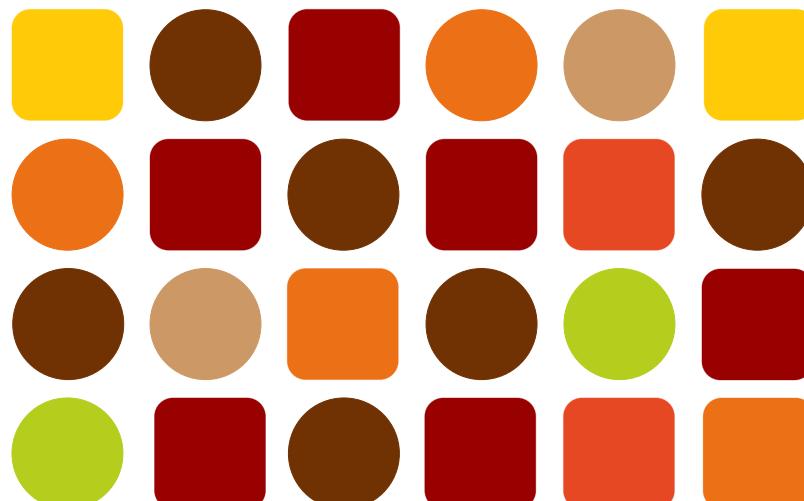
distúrbio

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

dinâmica ecológica



- filtragem
- deriva ecológica
- migração
- especiação

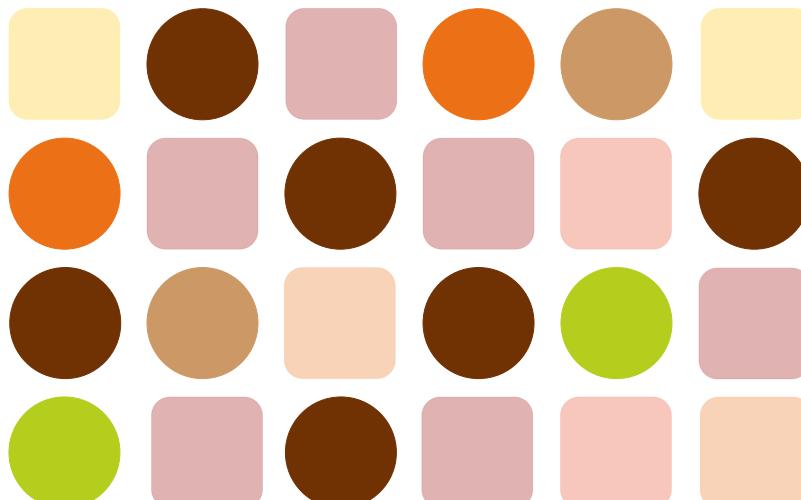
distúrbio

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

dinâmica ecológica



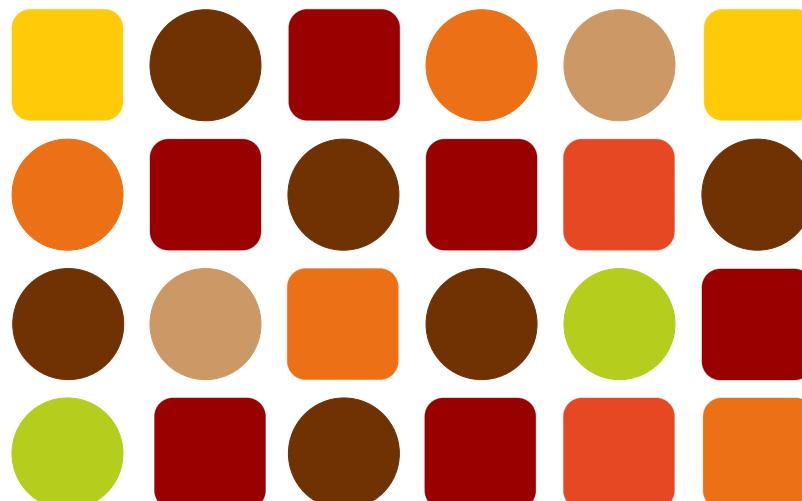
- filtragem
- deriva ecológica
- migração
- especiação

distúrbio

- abundância
- recurso

dinâmica
evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação



- filtragem
- deriva ecológica
- migração
- especiação

dinâmica
ecológica

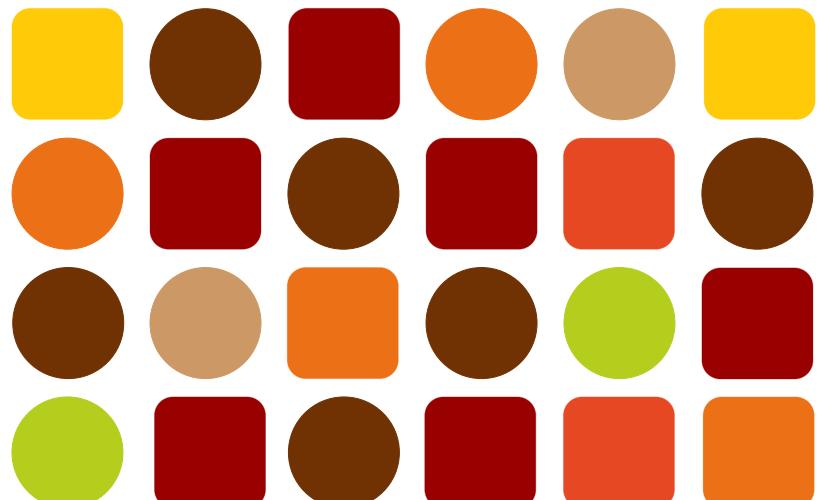
distúrbio

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

dinâmica ecológica



- filtragem
- deriva ecológica
- migração
- especiação

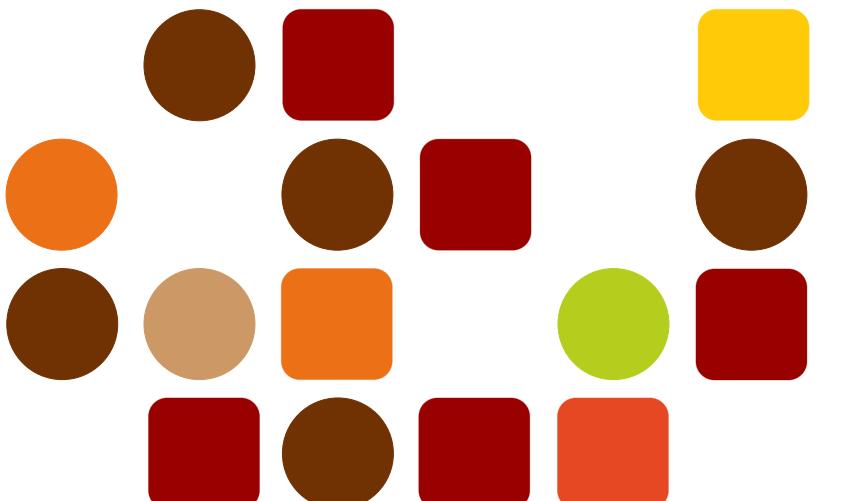
distúrbio

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

- abundância
- recurso

dinâmica ecológica



- filtragem
- deriva ecológica
- migração
- especiação

distúrbio

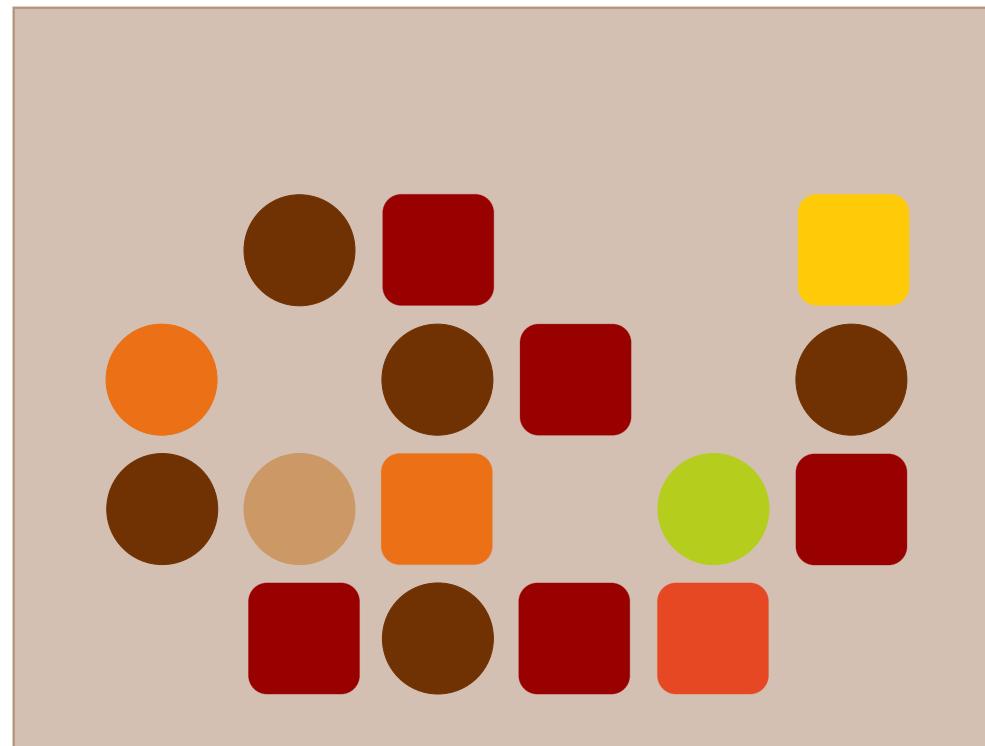
- abundância
- recurso

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

dinâmica ecológica

- filtragem
- deriva ecológica
- migração
- especiação



distúrbio

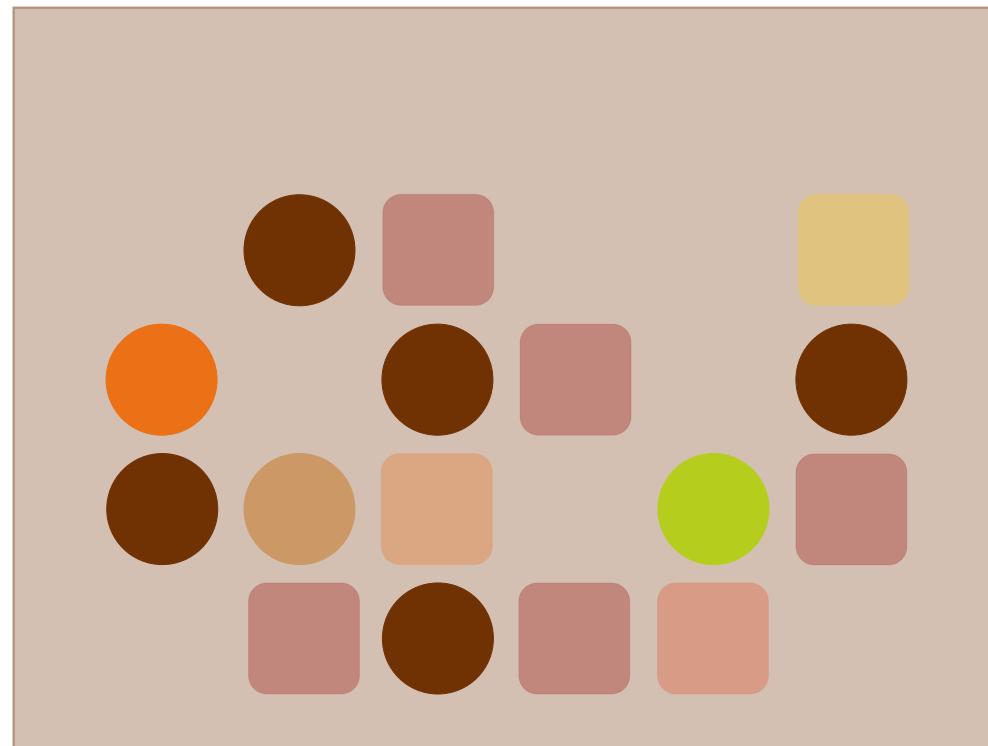
- abundância
- recurso

dinâmica evolutiva

- seleção
- deriva genética
- fluxo gênico
- mutação

dinâmica ecológica

- filtragem
- deriva ecológica
- migração
- especiação



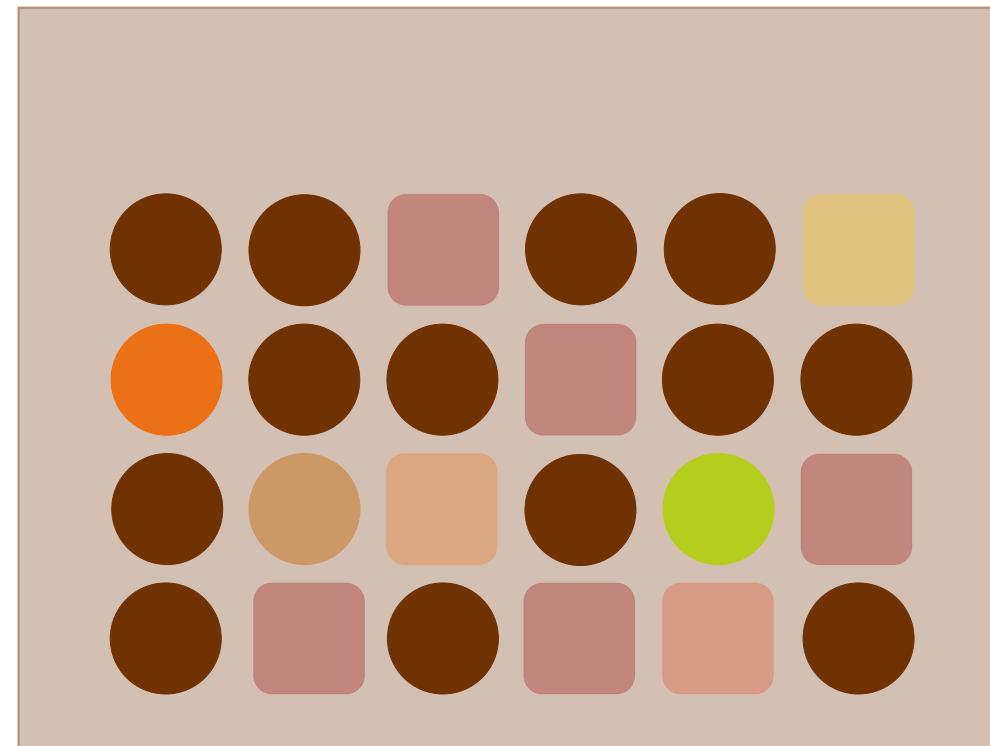
distúrbio

- abundância
- recurso

dinâmica evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

dinâmica ecológica



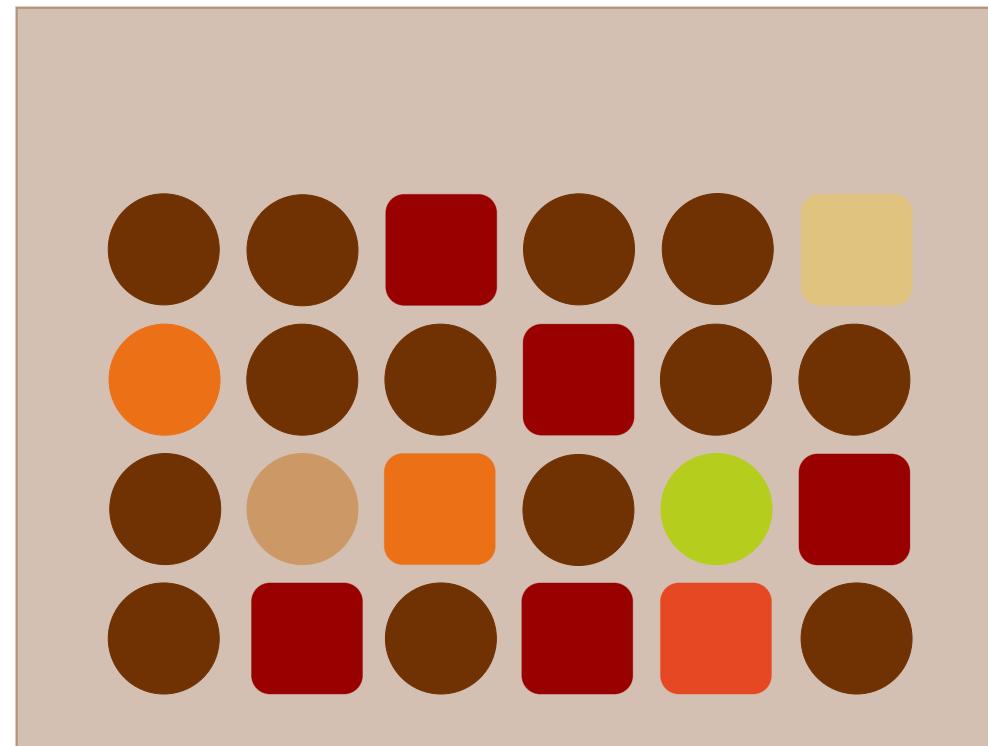
- filtragem
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica
ecológica

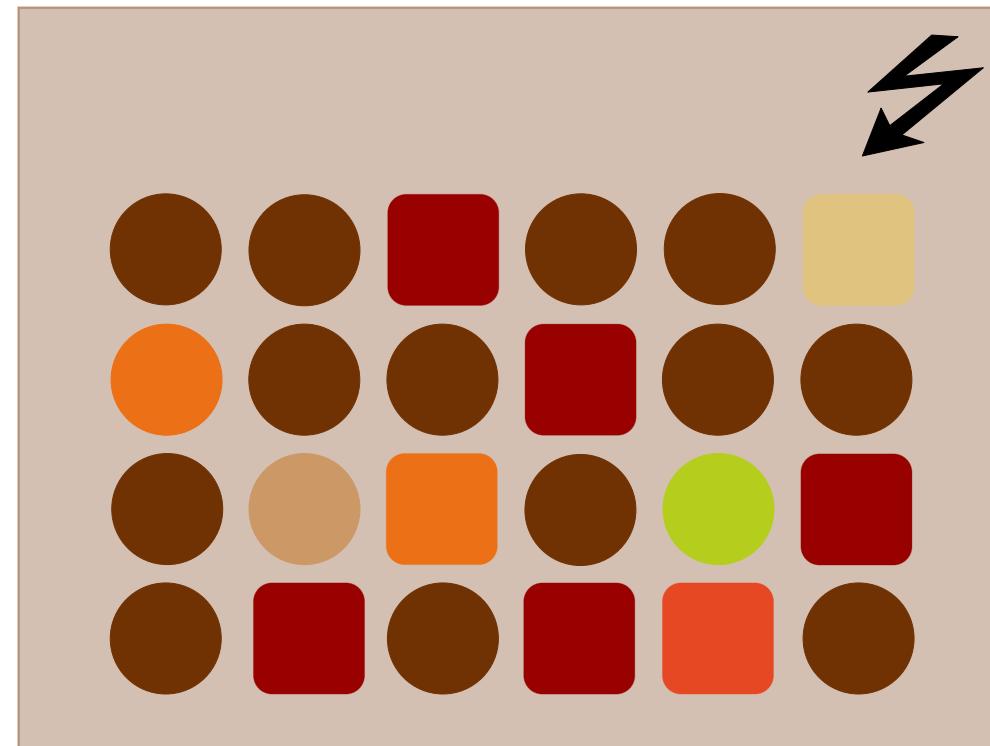
- filtragem
- deriva ecológica
- migração
- especiação

dinâmica evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica ecológica

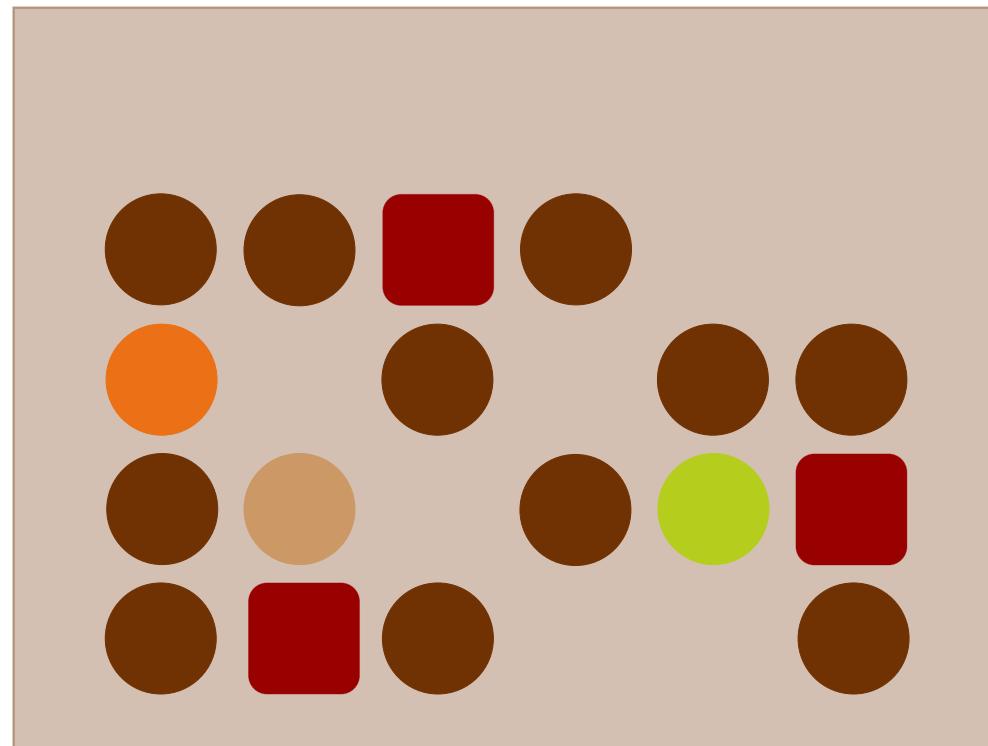
- filtragem
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

distúrbio

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- recurso



dinâmica
ecológica

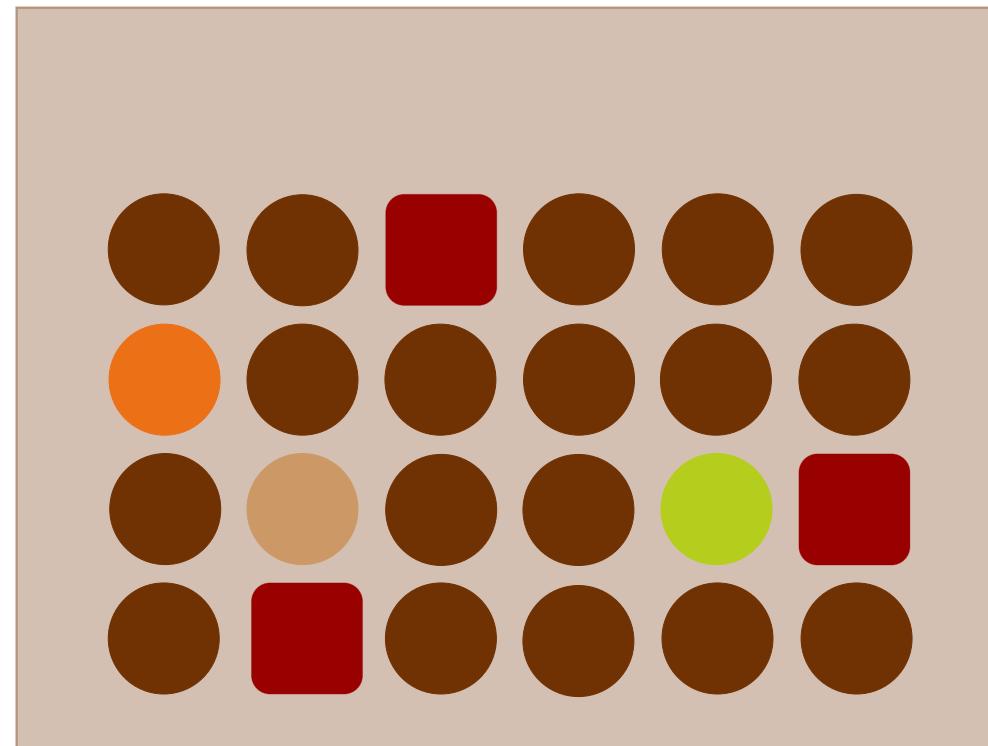
- filtragem
- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

distúrbio

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- recurso



dinâmica
ecológica

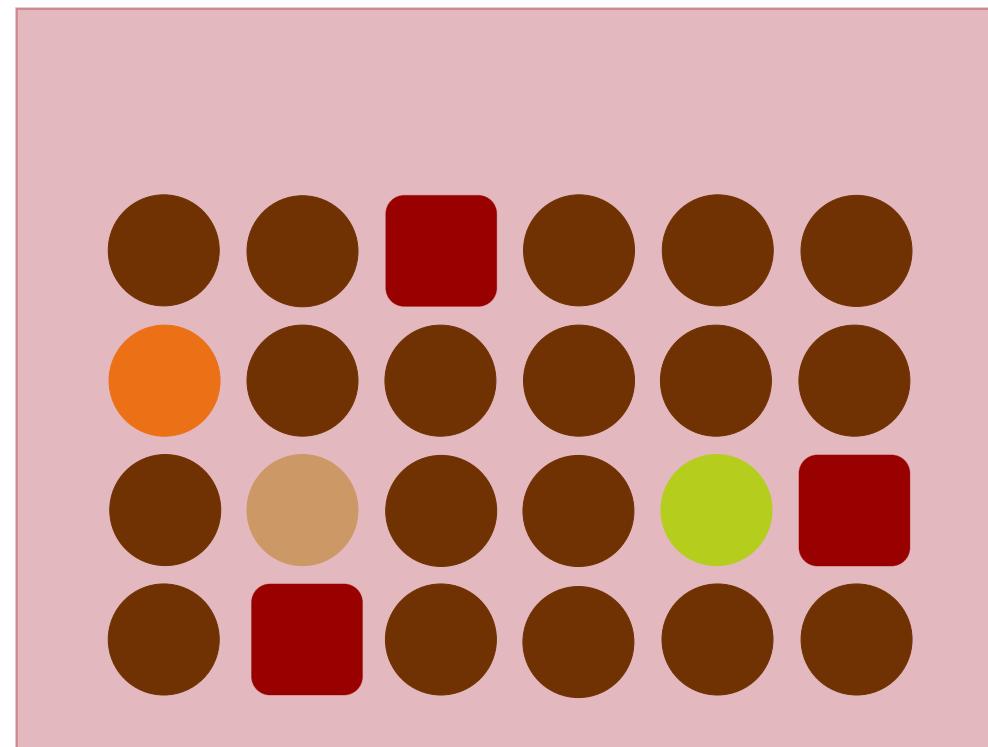
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- deriva ecológica
- migração
- especiação

dinâmica evolutiva

- **seleção**
- deriva genética
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica ecológica

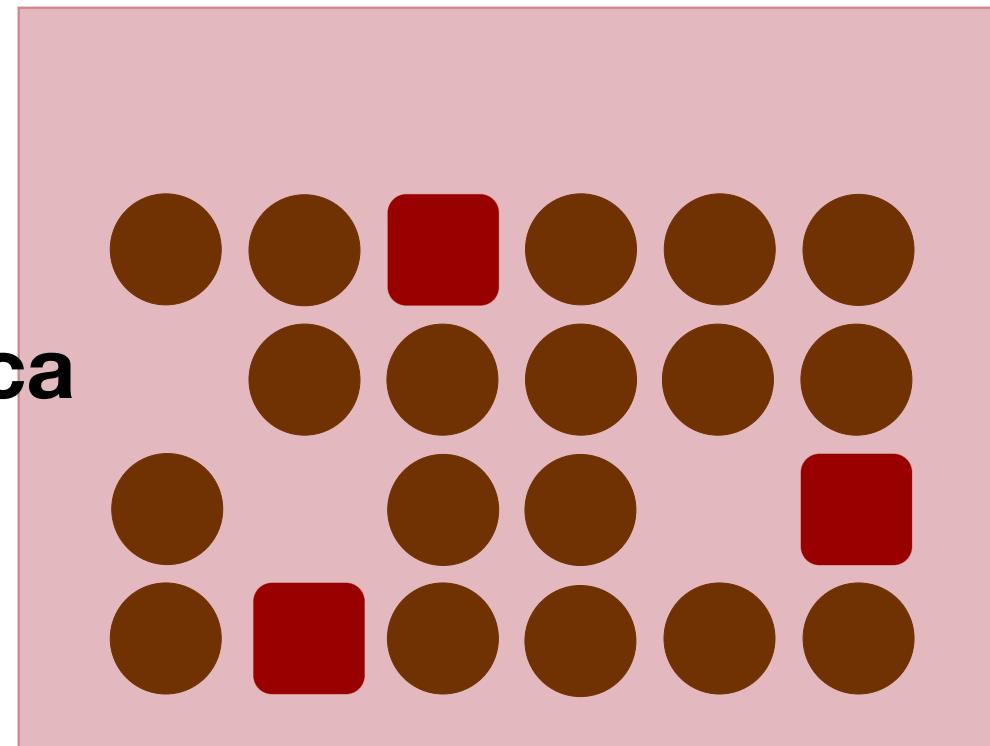
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- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- **deriva genética**
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica
ecológica

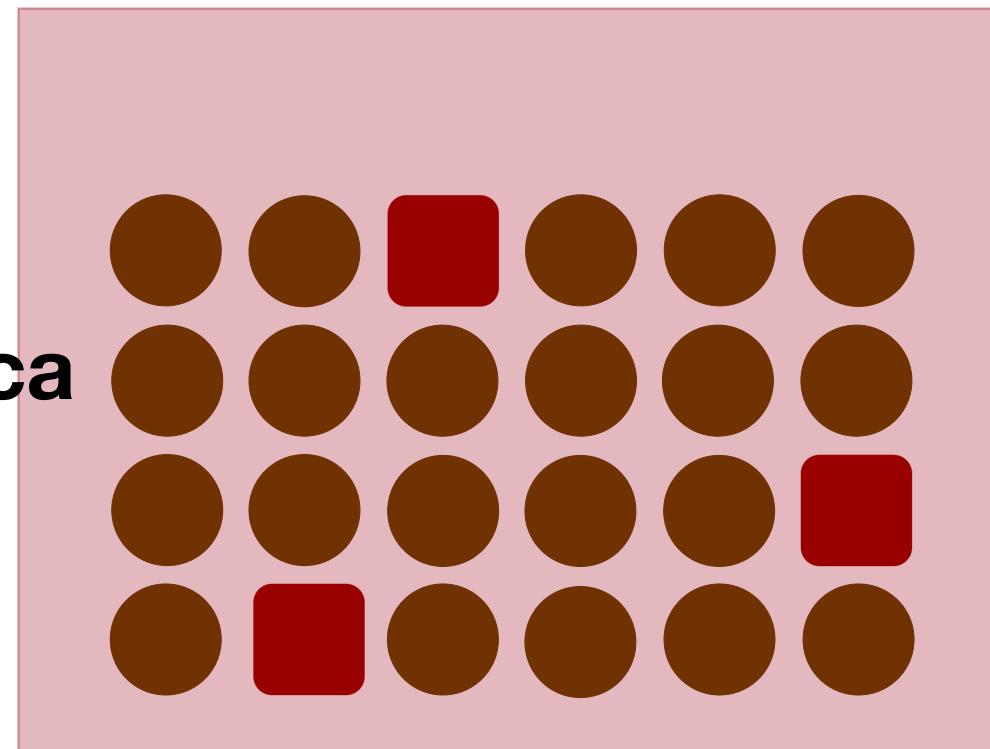
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- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- **deriva genética**
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica
ecológica

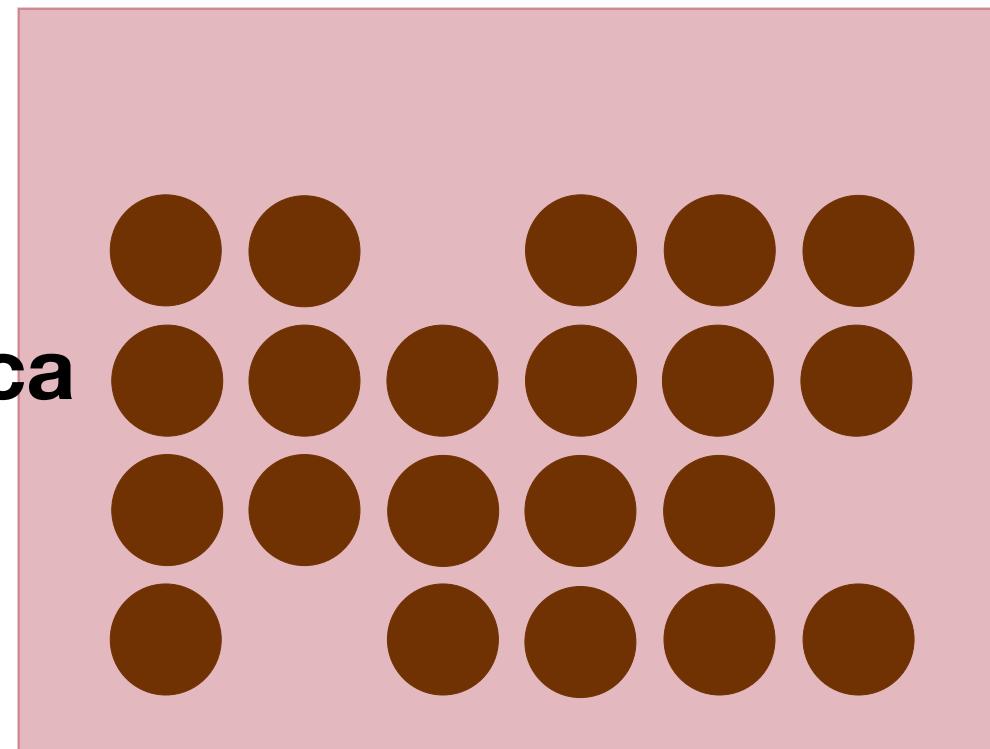
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- deriva ecológica
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- **deriva genética**
- fluxo gênico
- mutação

distúrbio

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- recurso



dinâmica
ecológica

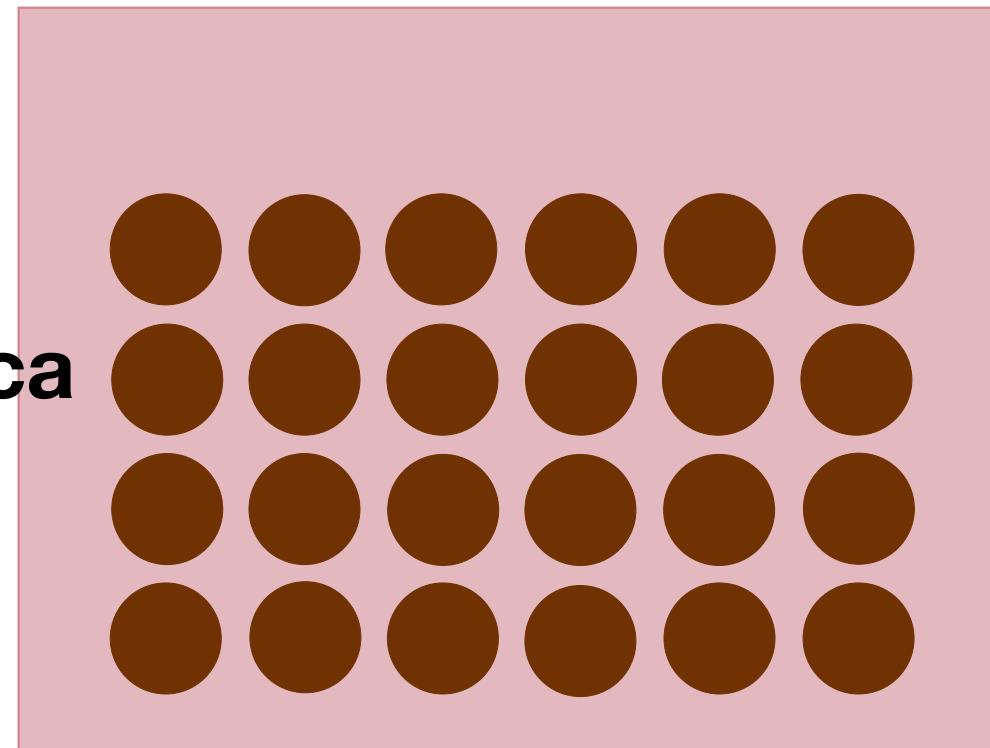
- **filtragem**
- **deriva ecológica**
- migração
- especiação

dinâmica
evolutiva

- **seleção**
- **deriva genética**
- fluxo gênico
- mutação

distúrbio

- abundância
- recurso



dinâmica
ecológica

- **filtragem**
- **deriva ecológica**
- migração
- especiação

distúrbio

Biologia
Evolutiva

- população
- adaptação

Ecologia de
Comunidades

- comunidade
- exclusão competitiva
de populações

porém...

dinâmica
evolutiva



dinâmica
ecológica

porém...

dinâmica
evolutiva



dinâmica
eco-evolutiva

dinâmica
ecológica

porém...

dinâmica
evolutiva



dinâmica
eco-evolutiva

dinâmica
ecológica

- contextos multiespecíficos
- espécies sob evolução

logo...

dinâmica
evolutiva



dinâmica
eco-evolutiva

dinâmica
ecológica

logo...

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



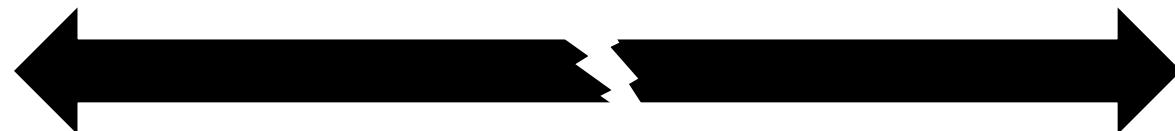
 **distúrbio**

logo...

dinâmica
evolutiva

dinâmica
eco-evolutiva

dinâmica
ecológica



 **distúrbio**

predições
distintas e imprecisas

Como o **distúrbio** determina

Como o **distúrbio**  determina
as **estratégias de vida** presentes



Como o **distúrbio**  determina
as **estratégias de vida** presentes

em populações e comunidades sob **dinâmicas**

Como o **distúrbio**  determina
as **estratégias de vida** presentes

em populações e comunidades sob **dinâmicas**
evolutivas, ecológicas e **eco-evolutivas?**



modelo baseado em indivíduo

modelo baseado em indivíduo



modelo baseado em indivíduo

parâmetros

modelo baseado em indivíduo



parâmetros

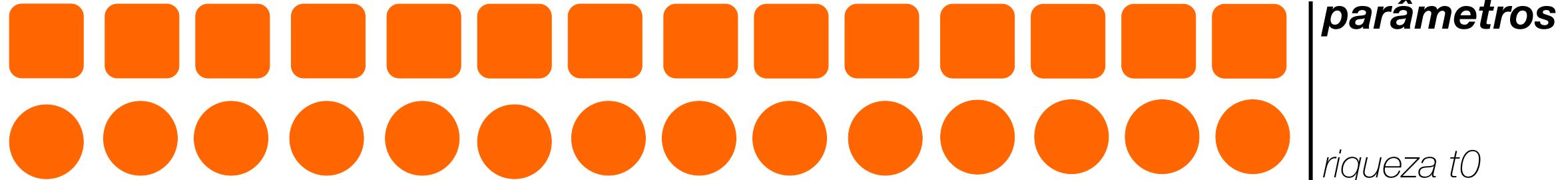
modelo baseado em indivíduo



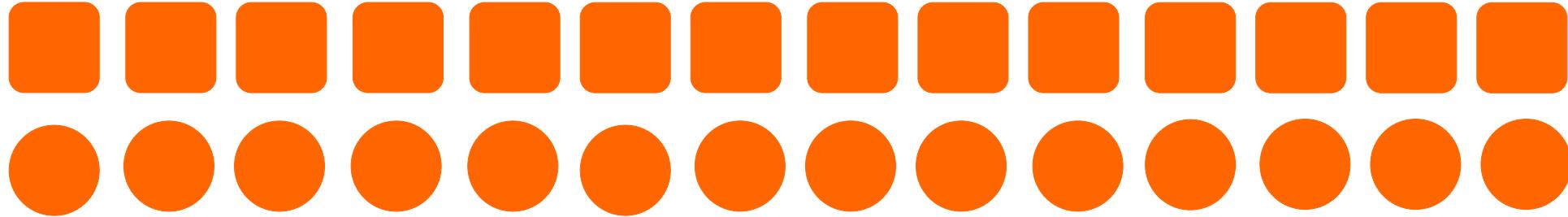
parâmetros

riqueza t_0

modelo baseado em indivíduo



modelo baseado em indivíduo

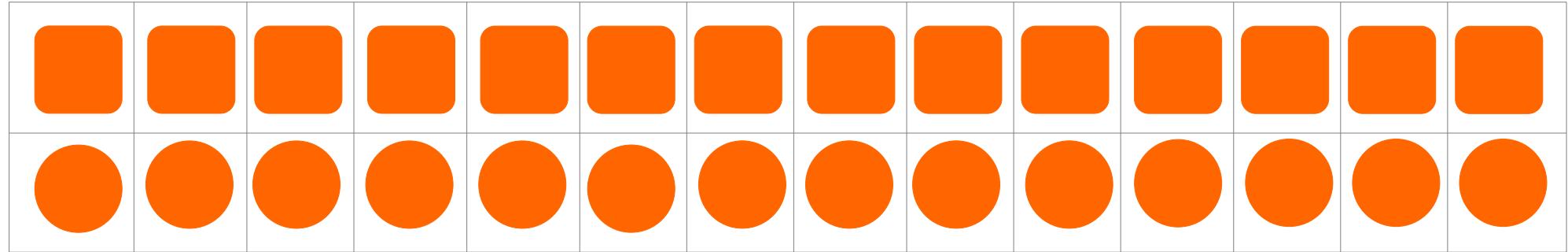


parâmetros

riqueza t_0

abundância t_0

modelo baseado em indivíduo

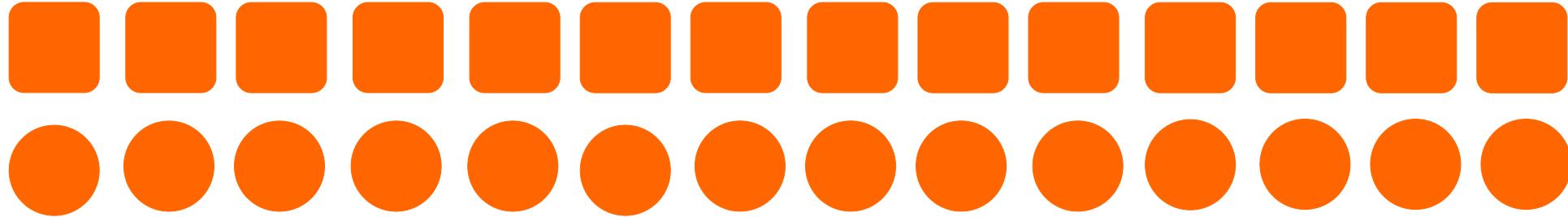


parâmetros

riqueza t_0

abundância t_0

modelo baseado em indivíduo

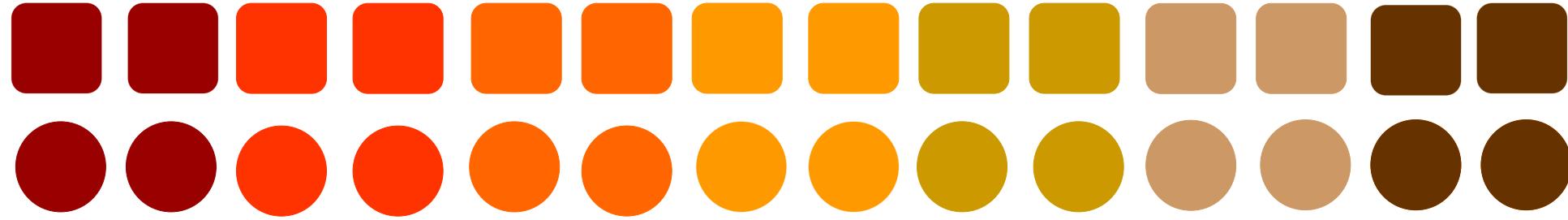


parâmetros

riqueza t_0

abundância t_0

modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

modelo baseado em indivíduo



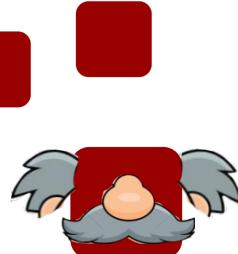
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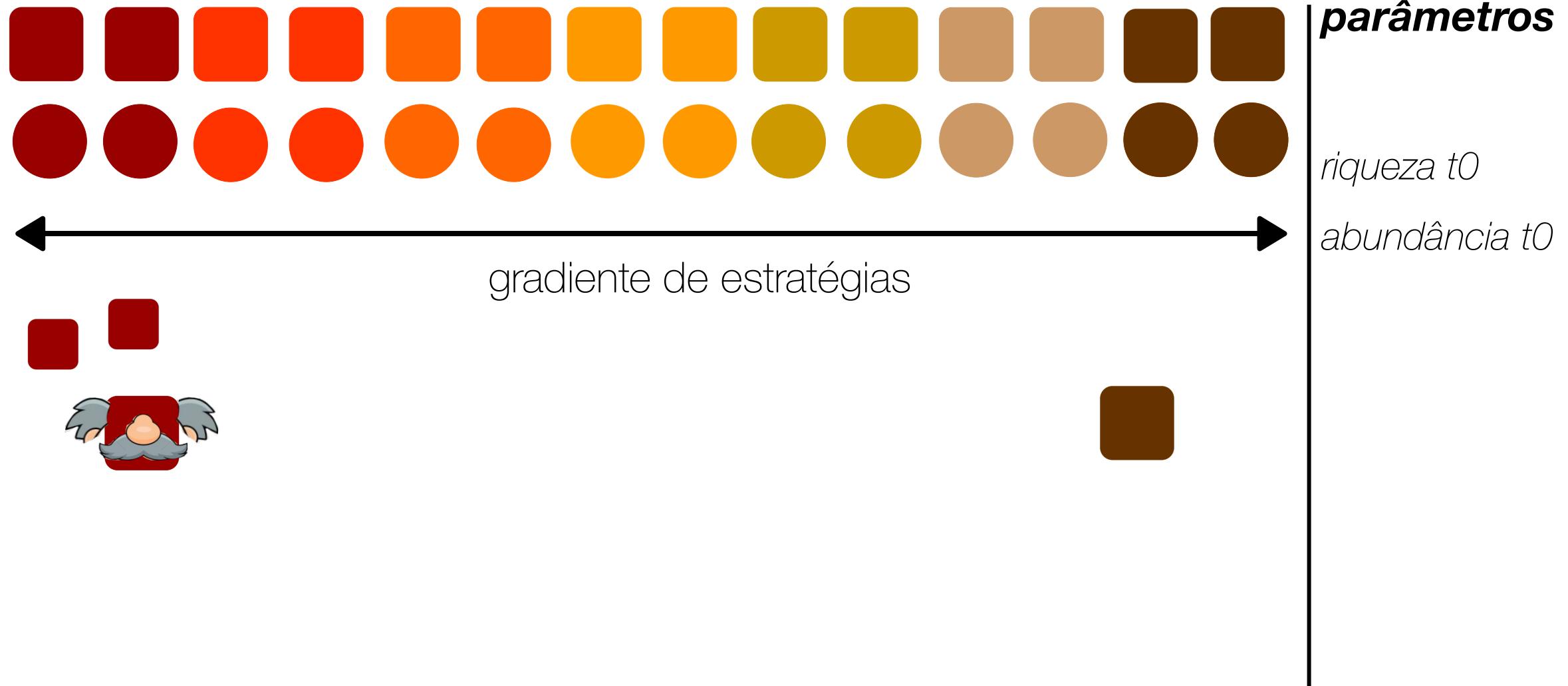
modelo baseado em indivíduo



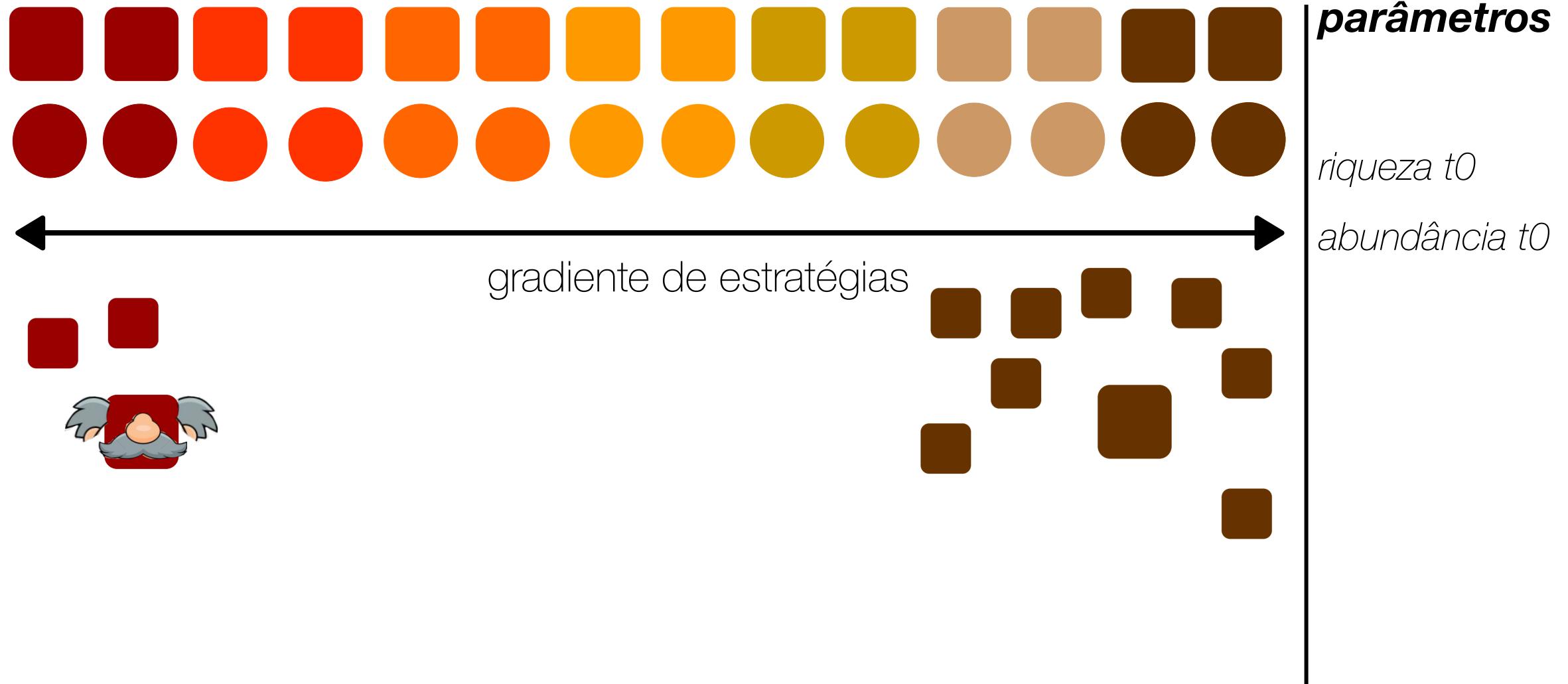
modelo baseado em indivíduo



modelo baseado em indivíduo



modelo baseado em indivíduo



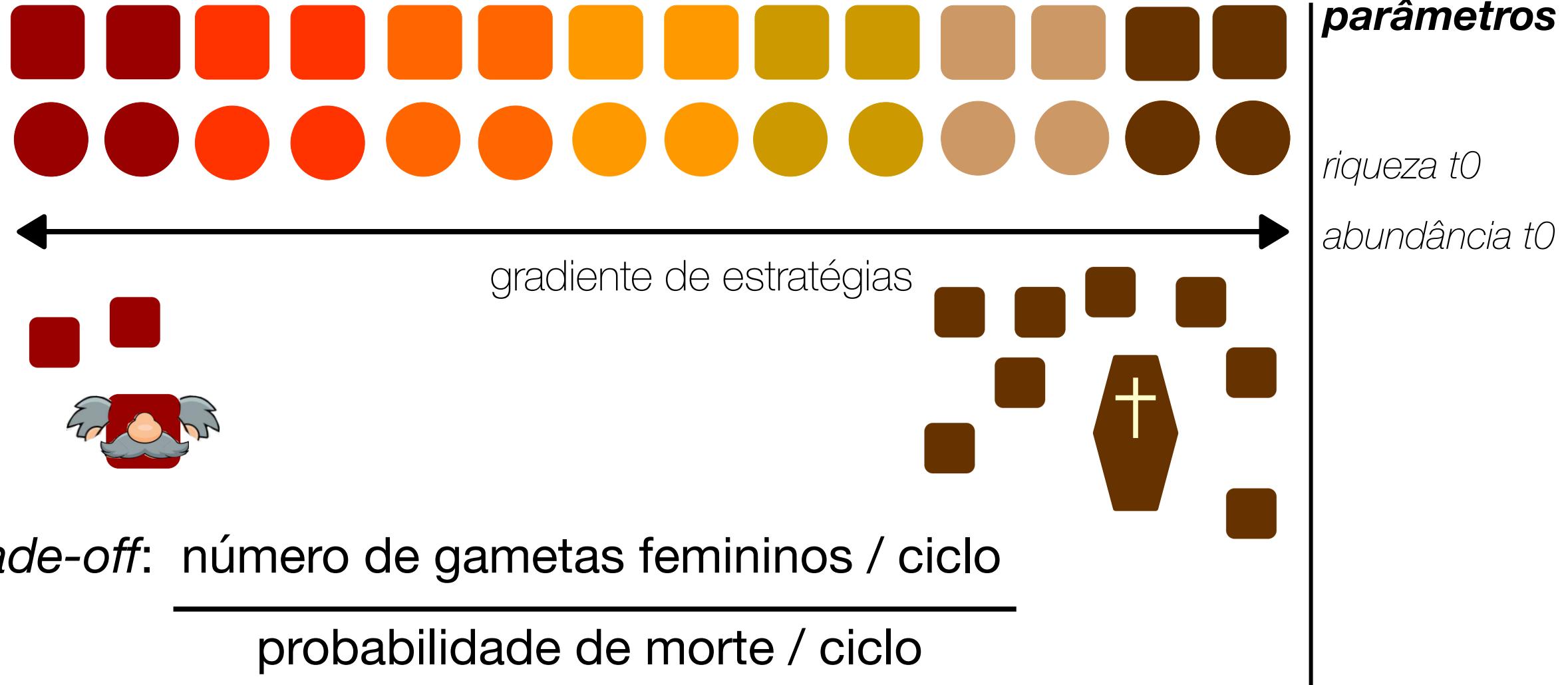
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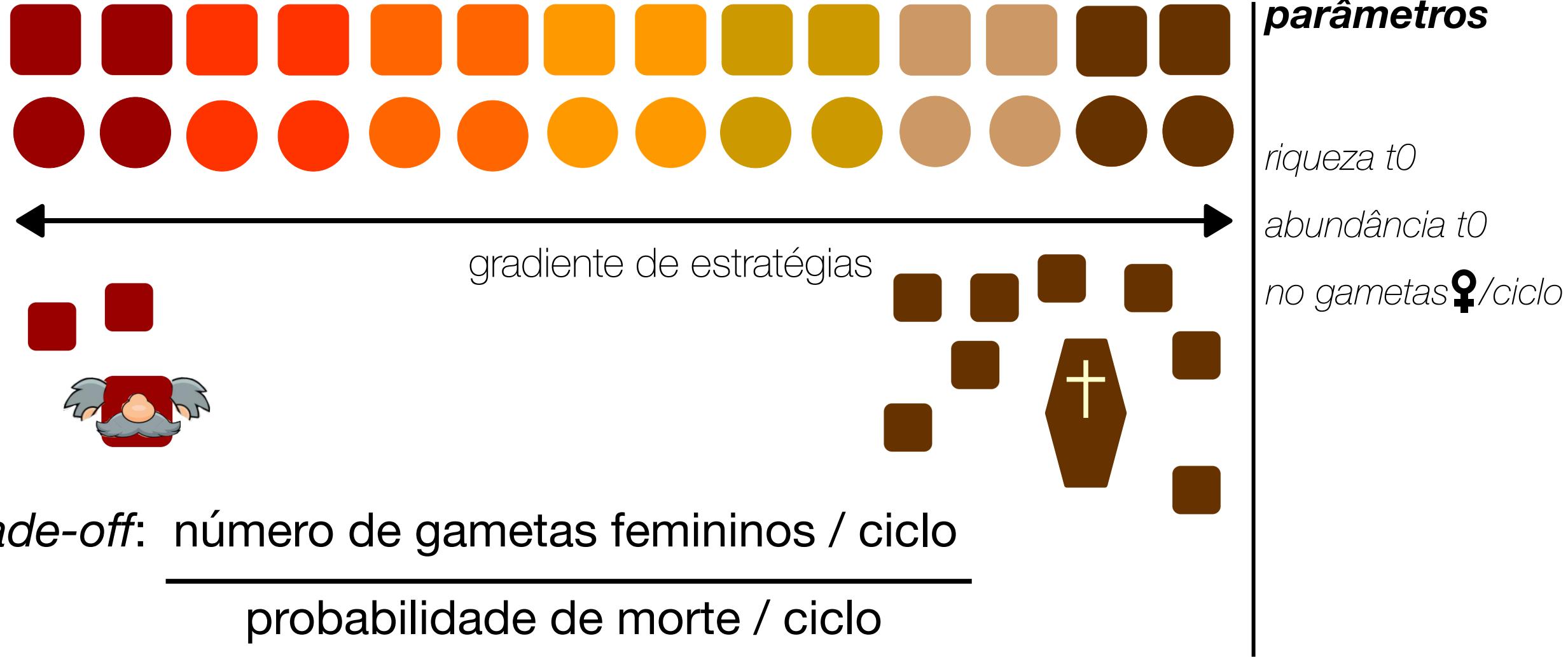
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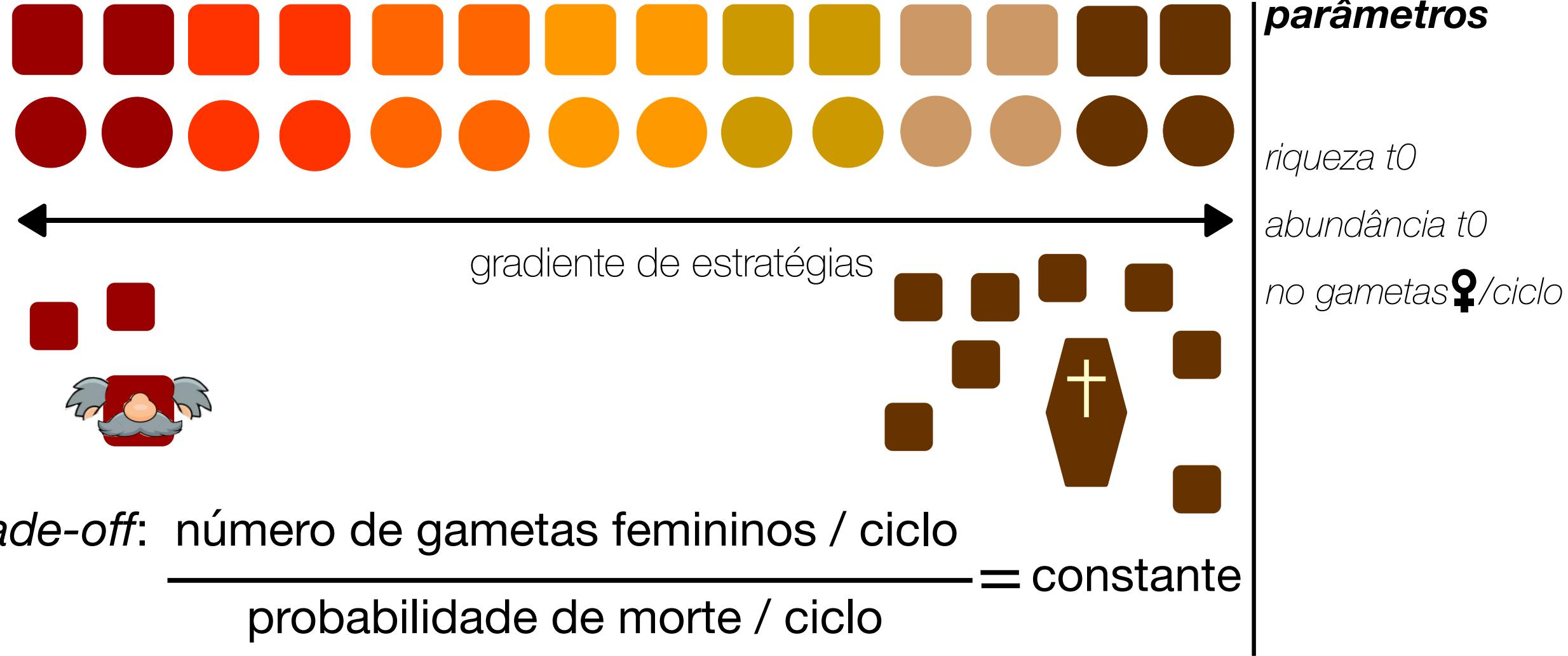
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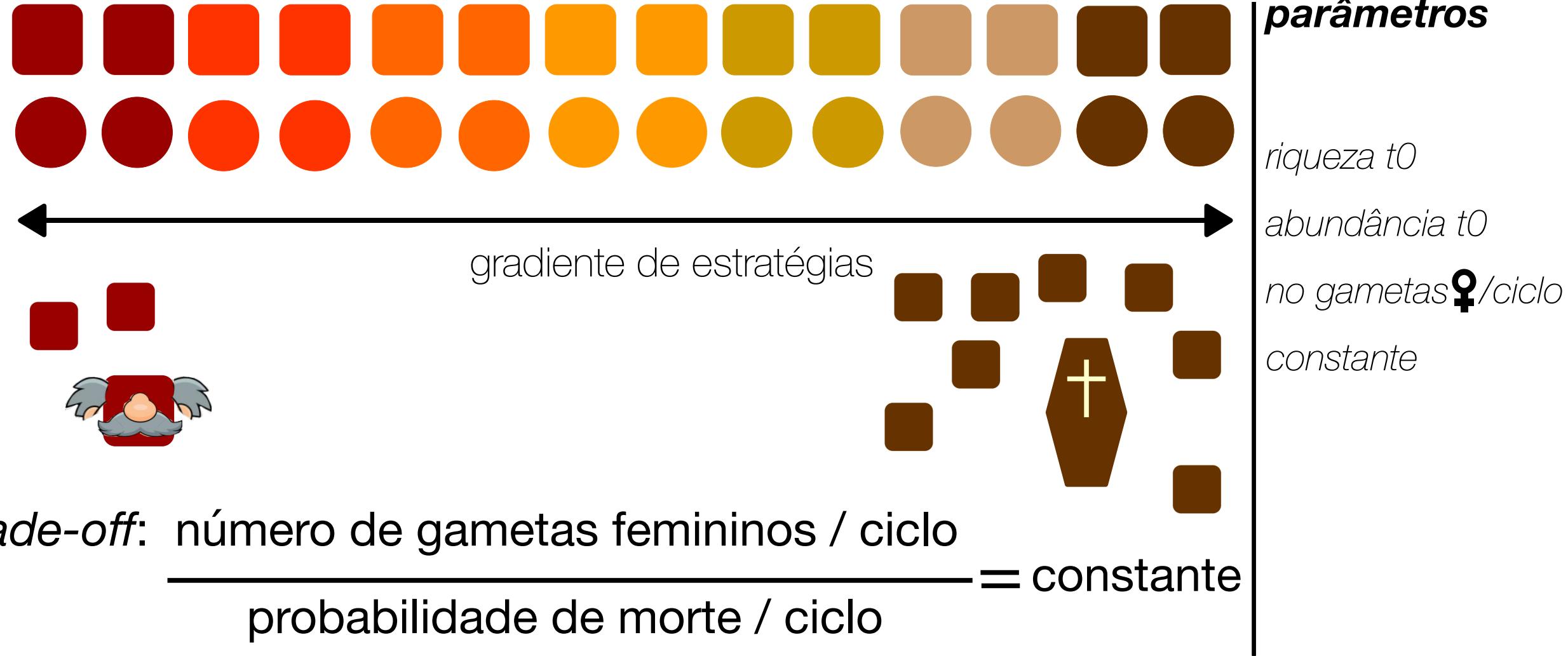
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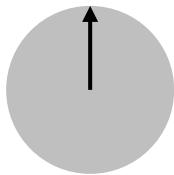


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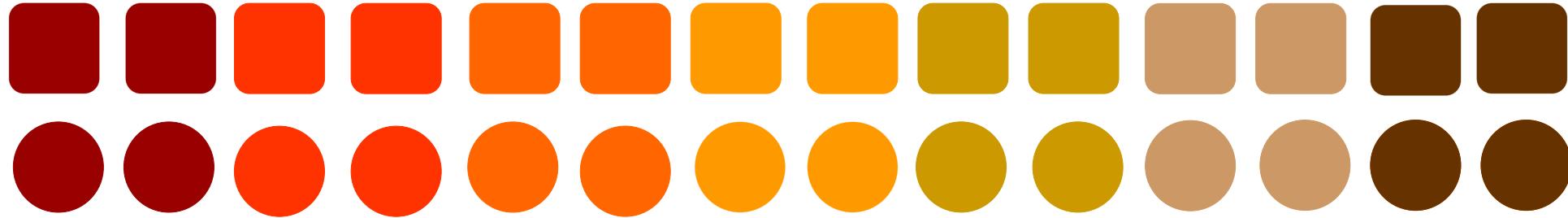


modelo baseado em indivíduo





modelo baseado em indivíduo



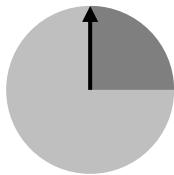
parâmetros

riqueza t_0

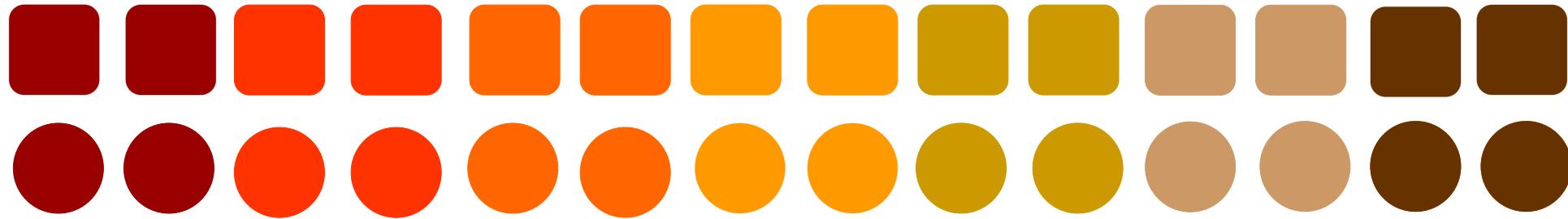
abundância t_0

no gametas ♀/ciclo

constante



modelo baseado em indivíduo



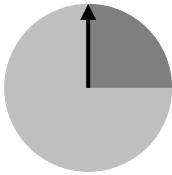
parâmetros

riqueza t_0

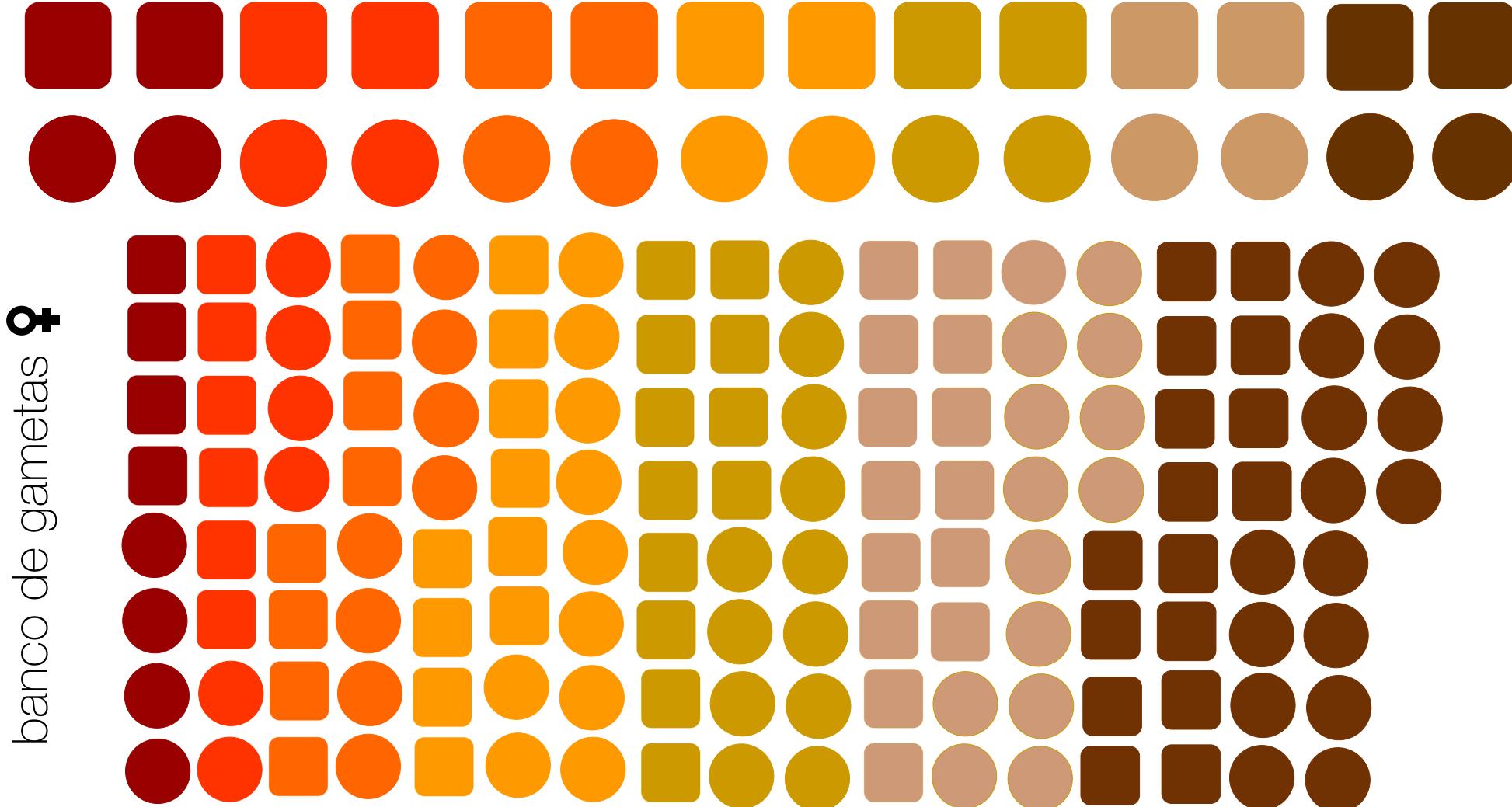
abundância t_0

no gametas ♀/ciclo

constante



modelo baseado em indivíduo



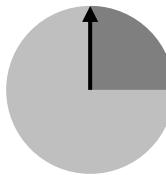
parâmetros

riqueza t_0

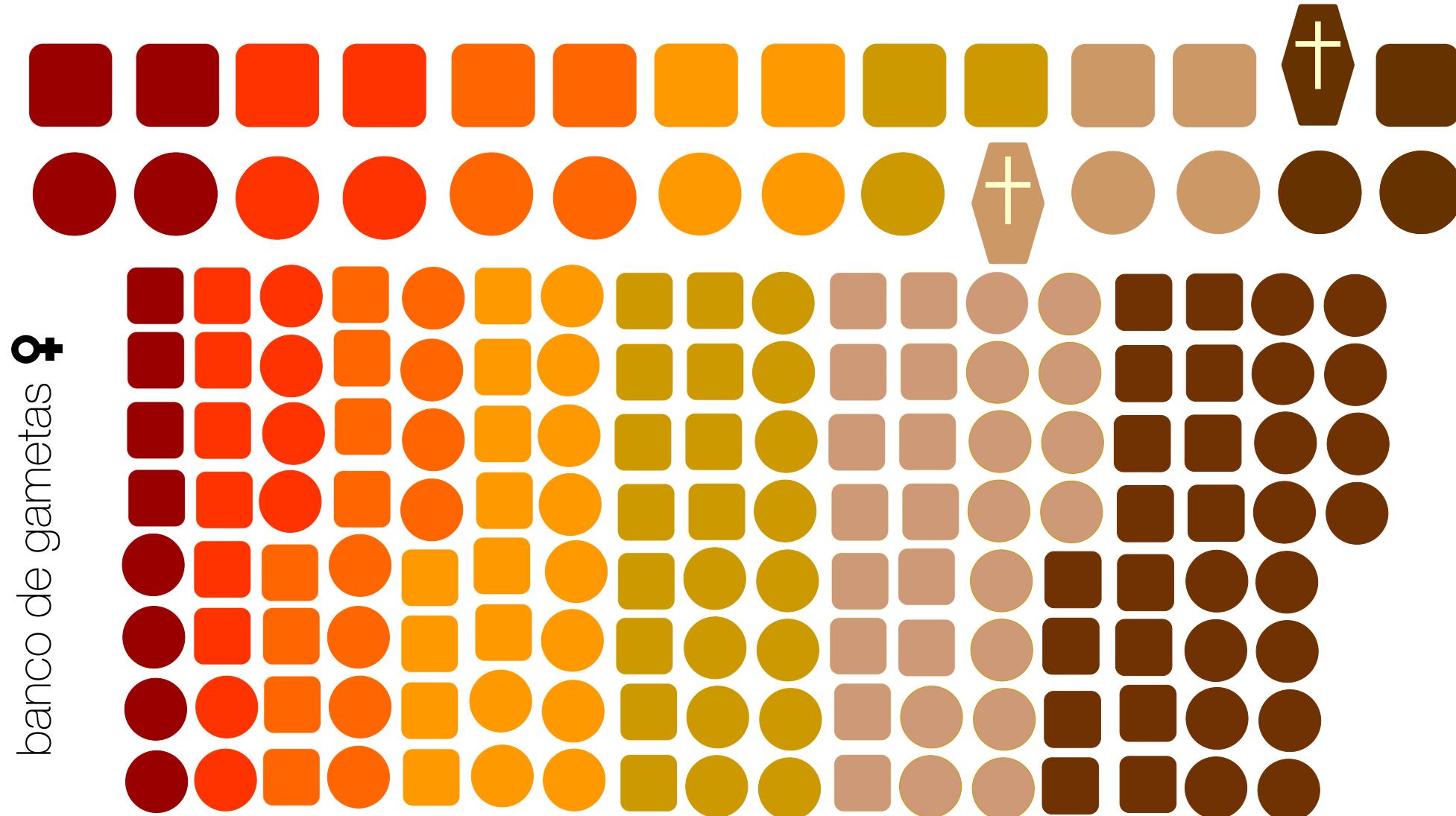
abundância t_0

no gametas ♀/ciclo

constante



modelo baseado em indivíduo



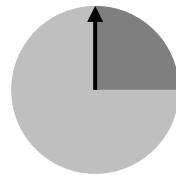
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riqueza t_0

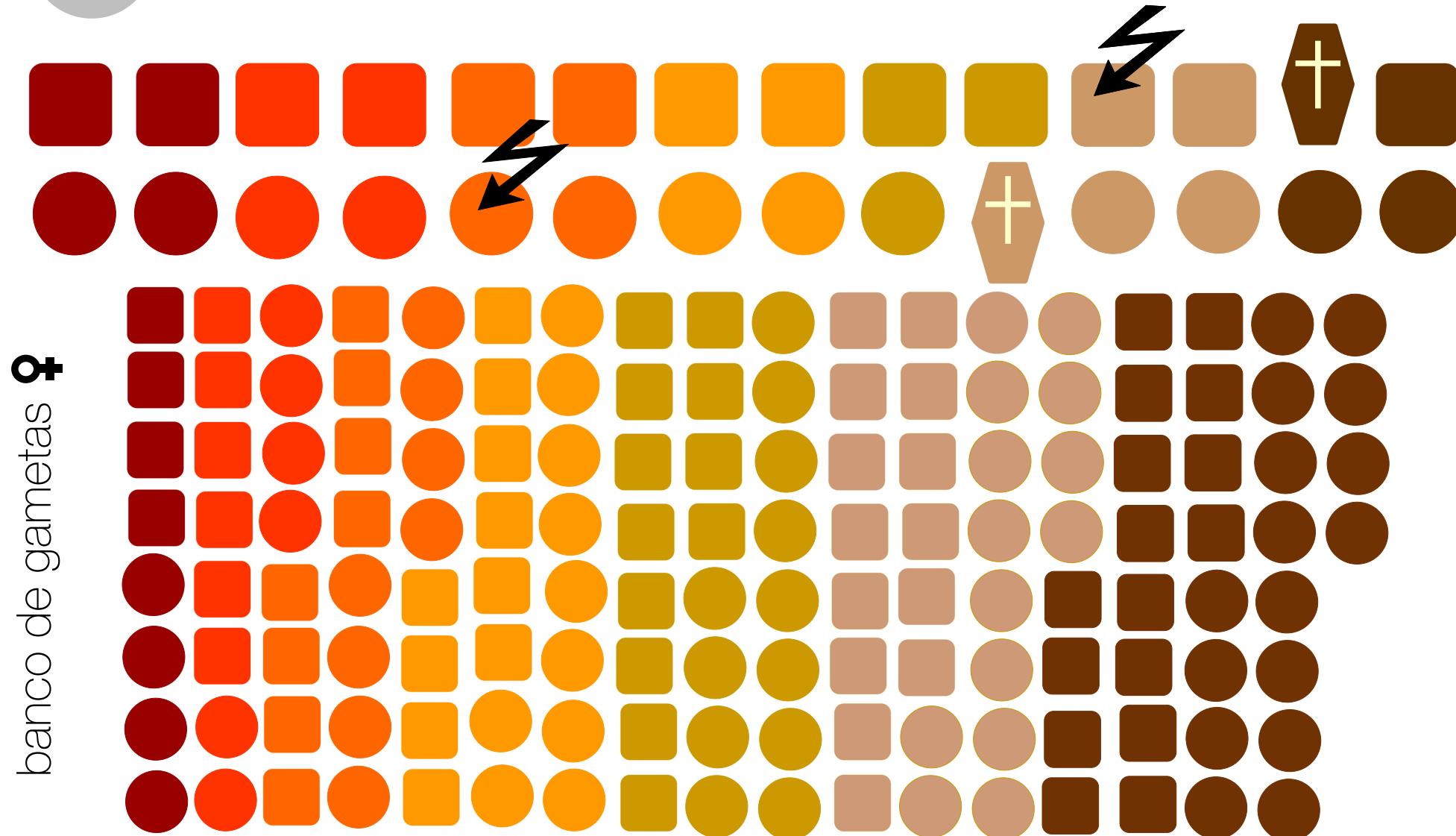
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no gametas ♀/ciclo

constante



modelo baseado em indivíduo



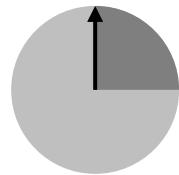
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riqueza t_0

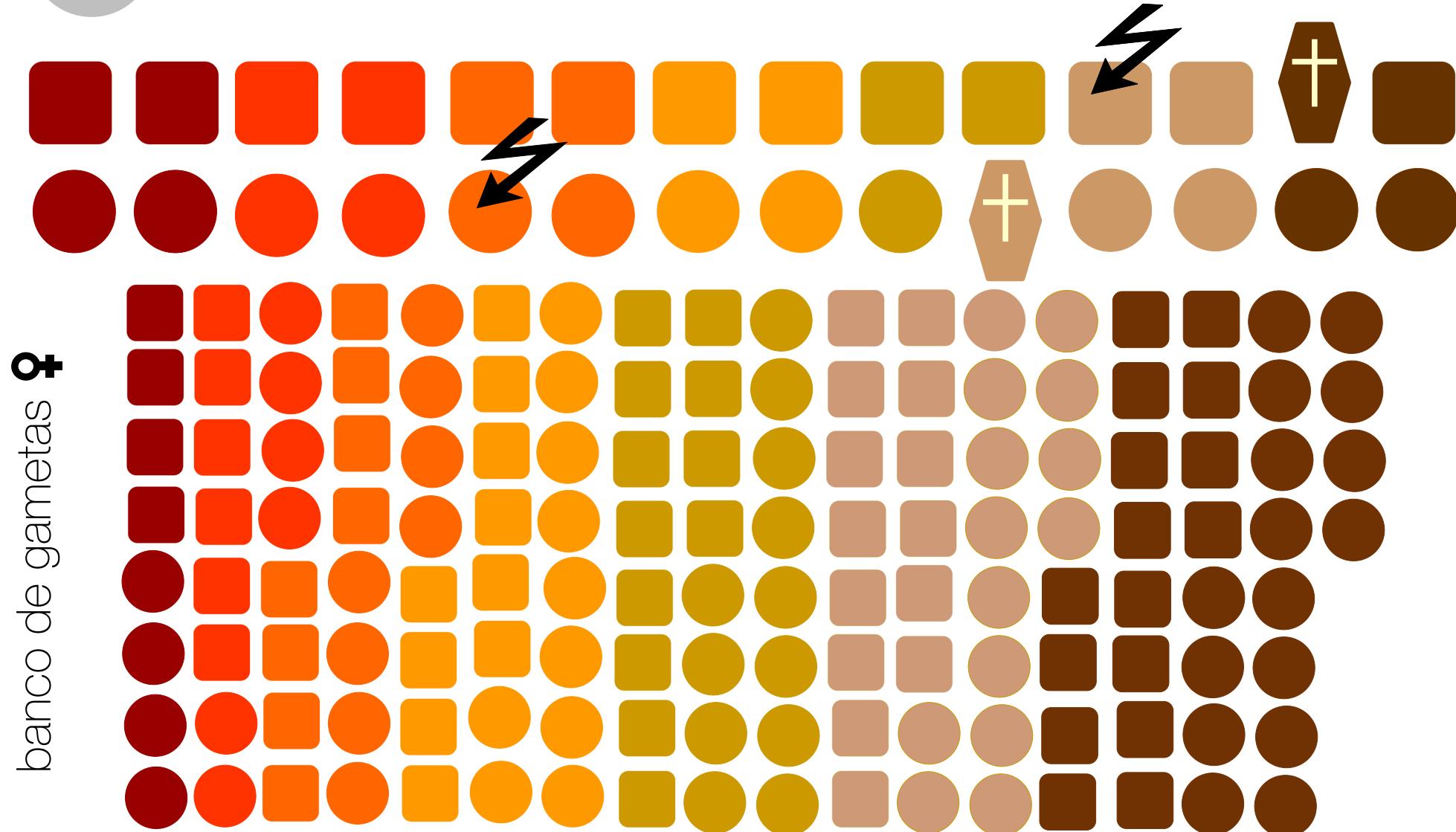
abundância t_0

no gametas ♀/ciclo

constante



modelo baseado em indivíduo



parâmetros

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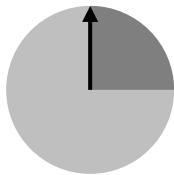
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no gametas ♀/ciclo

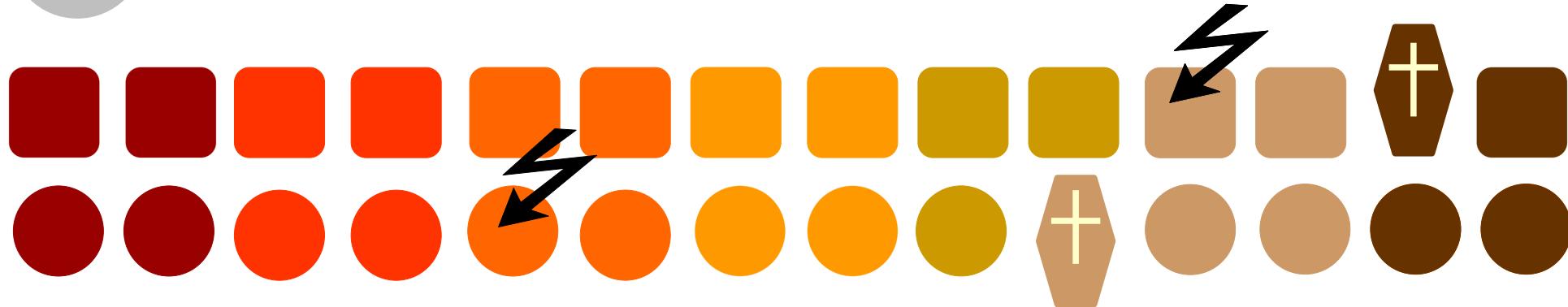
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

riqueza t_0

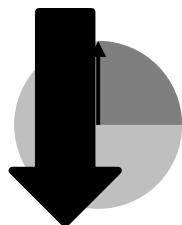
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no gametas ♀/ciclo

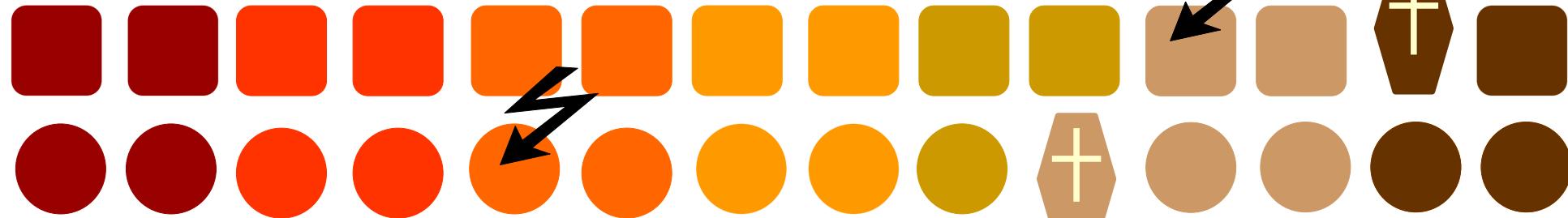
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

riqueza t_0

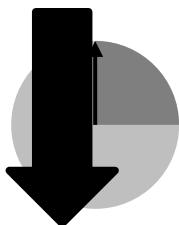
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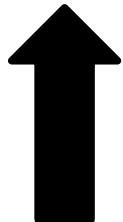
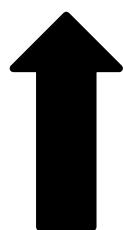
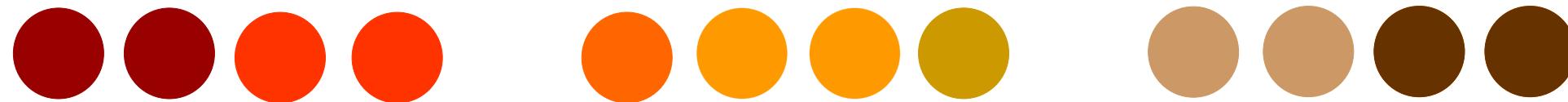
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

riqueza t_0

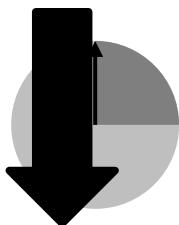
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no gametas ♀/ciclo

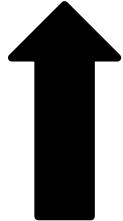
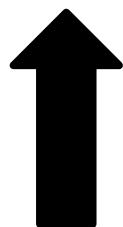
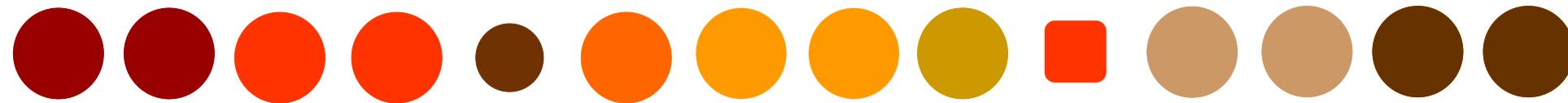
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

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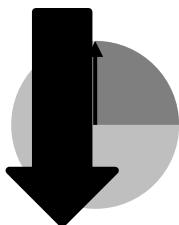
abundância t_0

no gametas ♀/ciclo

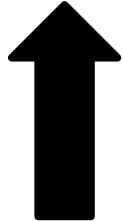
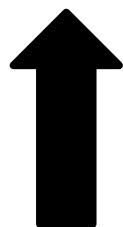
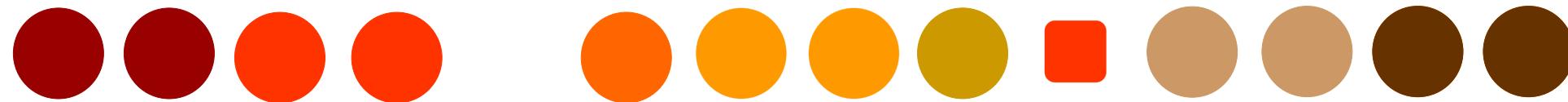
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

riqueza t_0

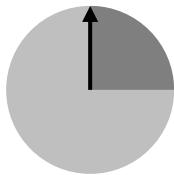
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no gametas ♀/ciclo

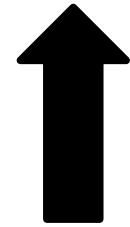
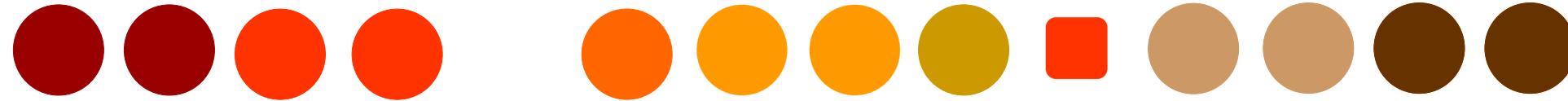
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

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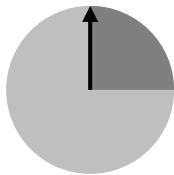
abundância t_0

no gametas ♀/ciclo

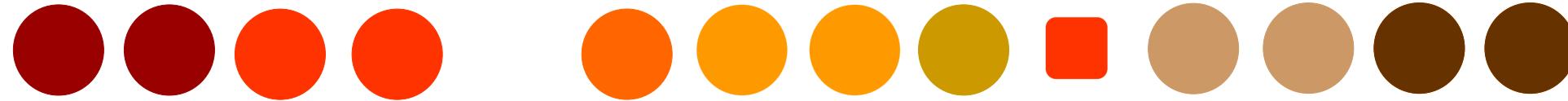
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

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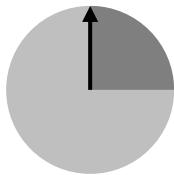
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no gametas ♀/ciclo

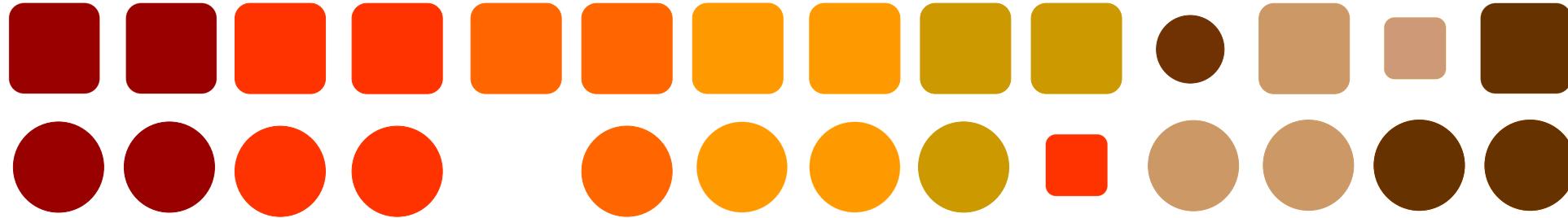
constante

no distúrbios

% morta/distúrbio



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

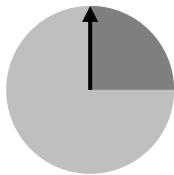
no gametas ♀/ciclo

constante

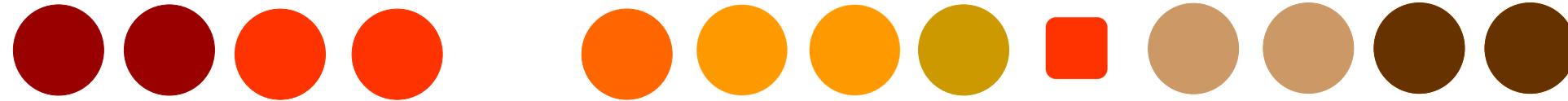
no distúrbios

% morta/distúrbio

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modelo baseado em indivíduo



parâmetros

riqueza t_0

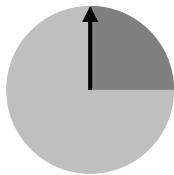
abundância t_0

no gametas ♀/ciclo

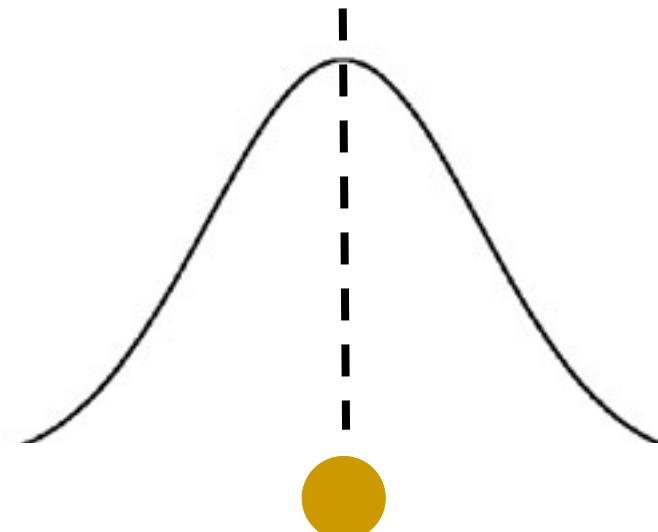
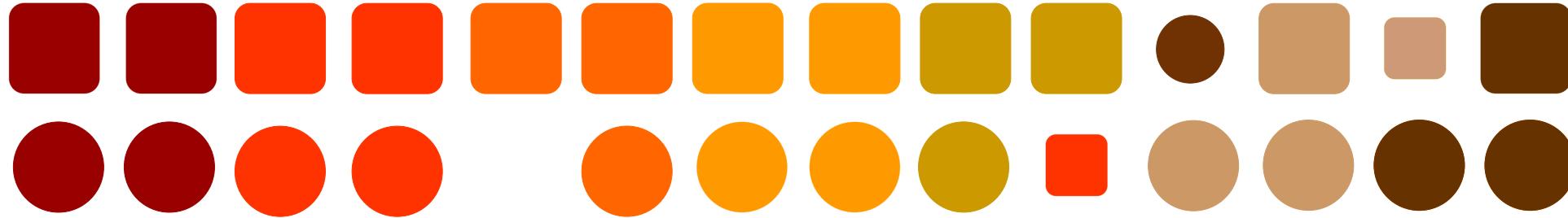
constante

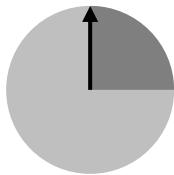
no distúrbios

% morta/distúrbio

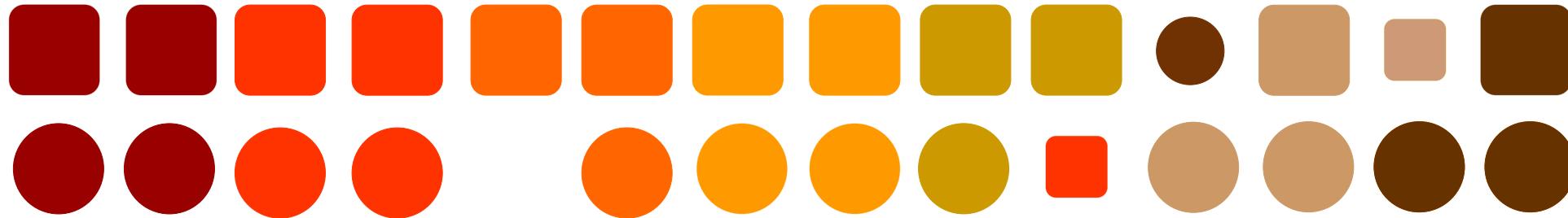


modelo baseado em indivíduo





modelo baseado em indivíduo



parâmetros

riqueza t_0

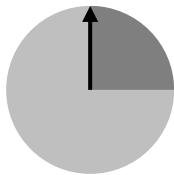
abundância t_0

no gametas ♀/ciclo

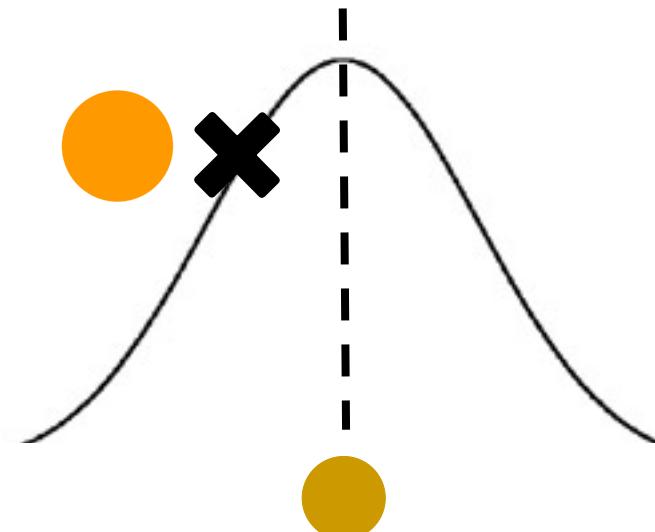
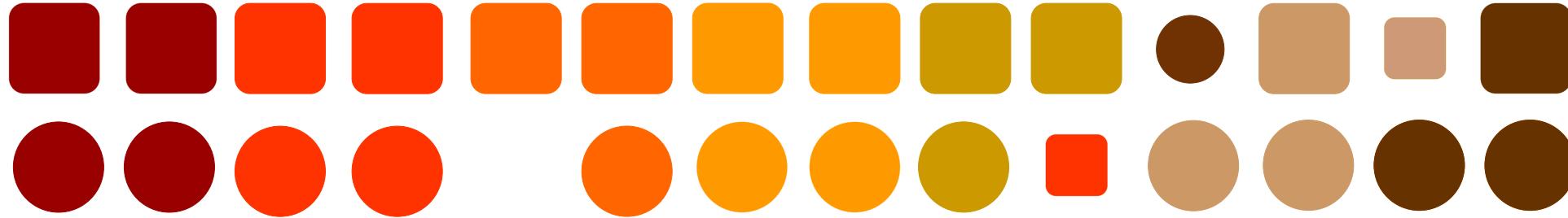
constante

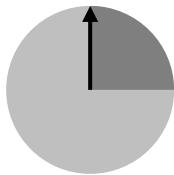
no distúrbios

% morta/distúrbio

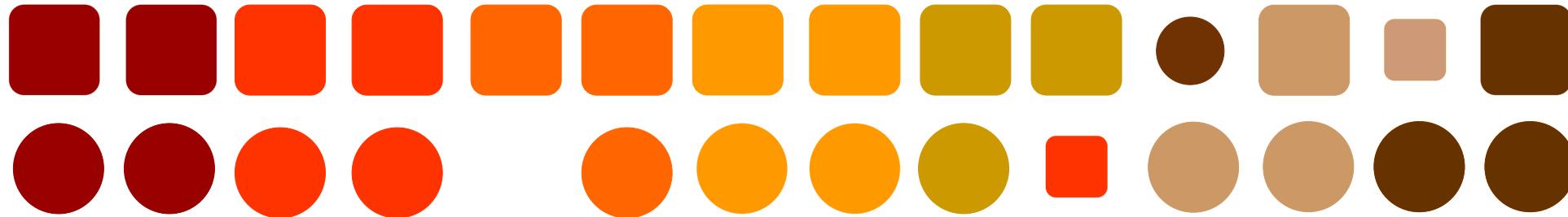


modelo baseado em indivíduo





modelo baseado em indivíduo



parâmetros

riqueza t_0

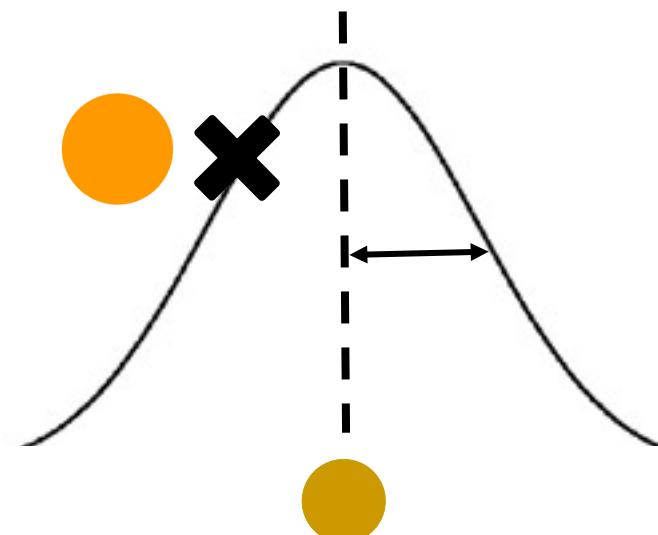
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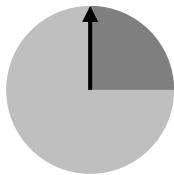
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constante

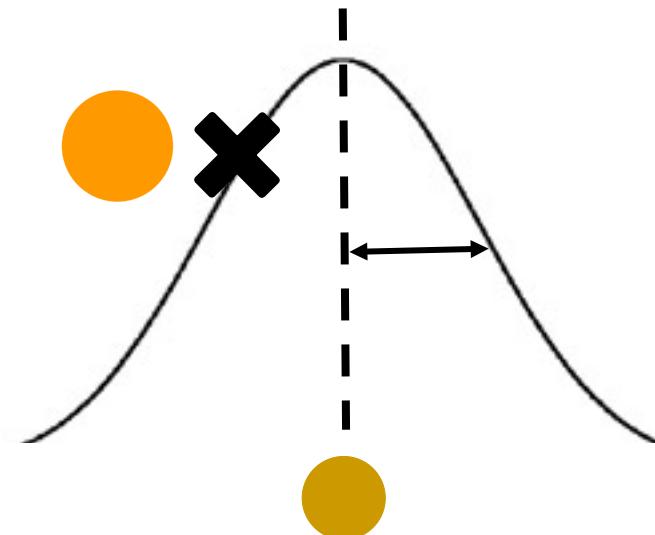
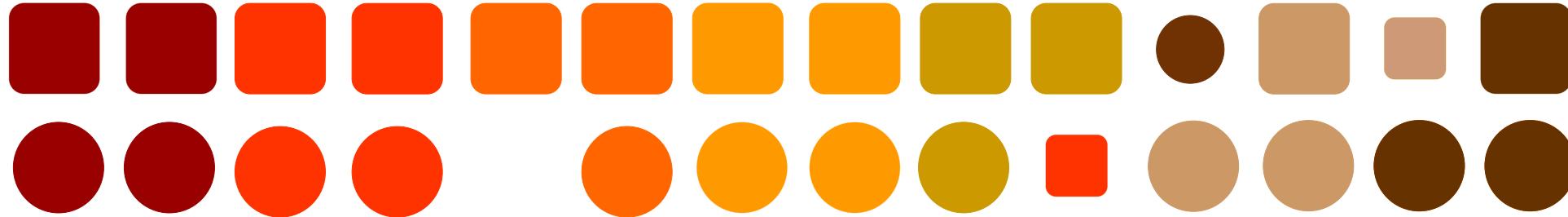
no distúrbios

% morta/distúrbio





modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

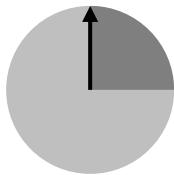
no gametas ♀/ciclo

constante

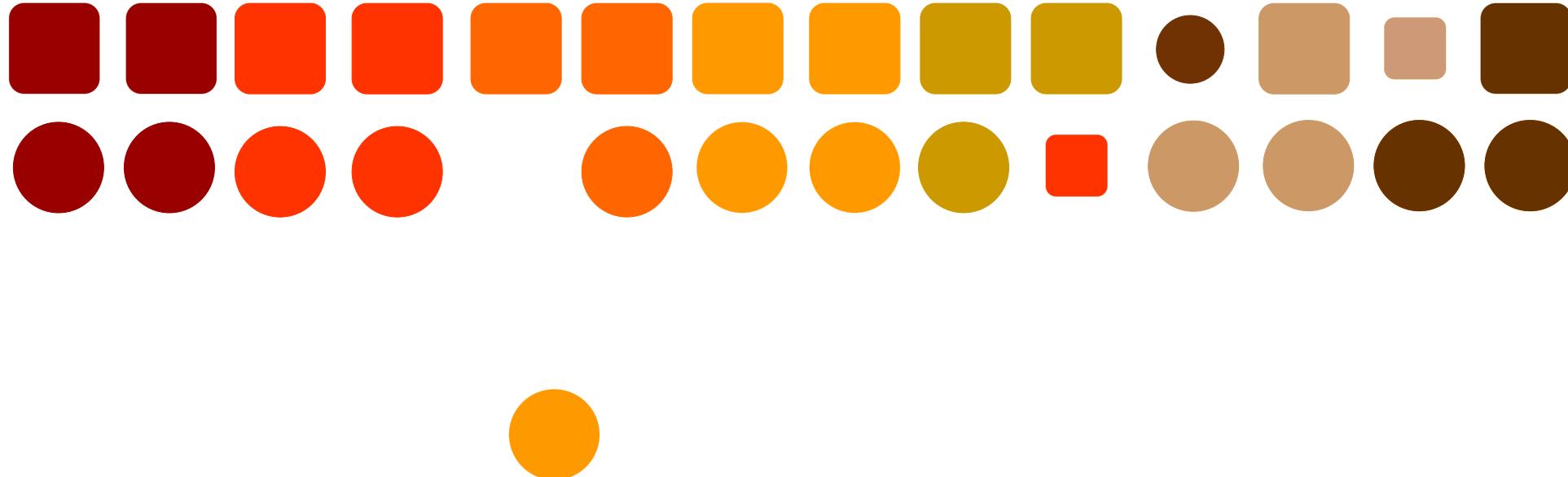
no distúrbios

% morta/distúrbio

taxa de mutação



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

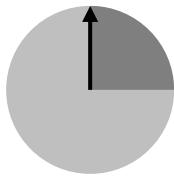
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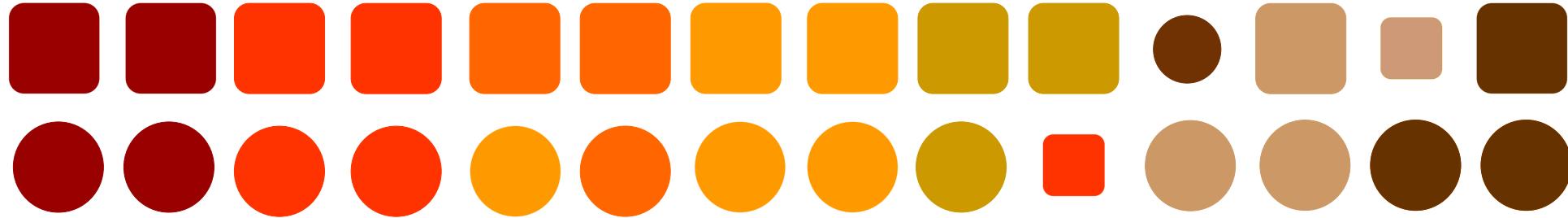
no distúrbios

% morta/distúrbio

taxa de mutação



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

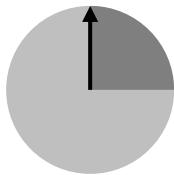
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constante

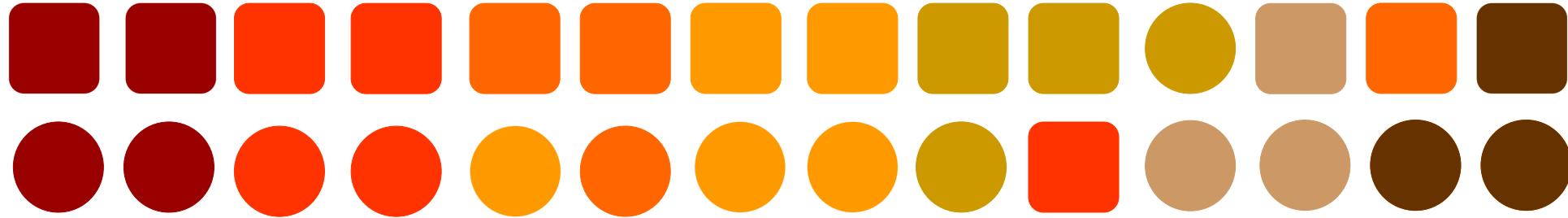
no distúrbios

% morta/distúrbio

taxa de mutação



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

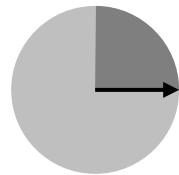
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constante

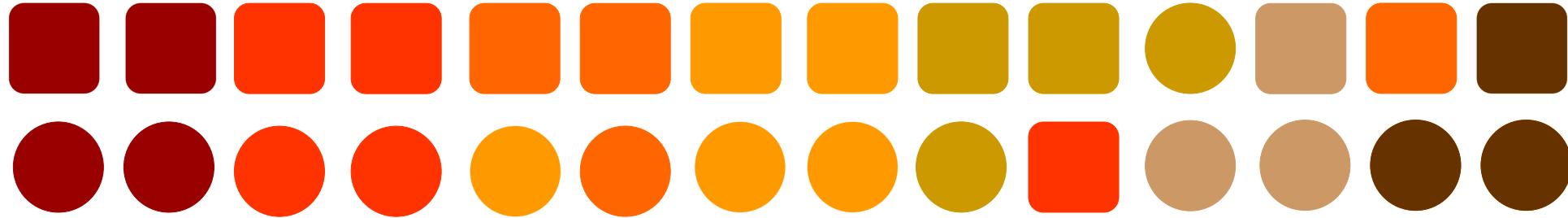
no distúrbios

% morta/distúrbio

taxa de mutação



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

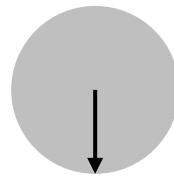
no gametas ♀/ciclo

constante

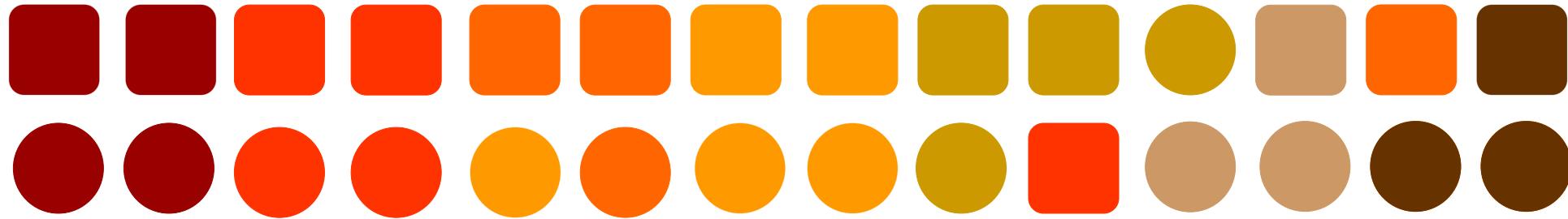
no distúrbios

% morta/distúrbio

taxa de mutação



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

no gametas ♀/ciclo

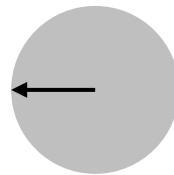
constante

no distúrbios

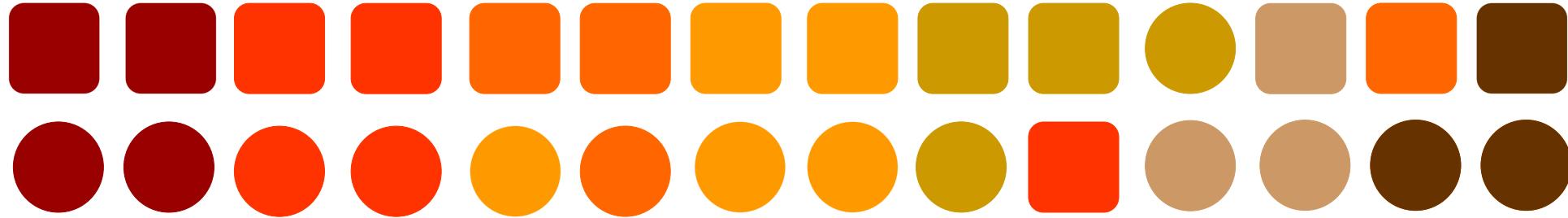
% morta/distúrbio

taxa de mutação

no tempos



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

no gametas ♀/ciclo

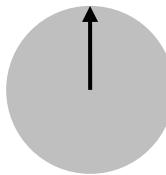
constante

no distúrbios

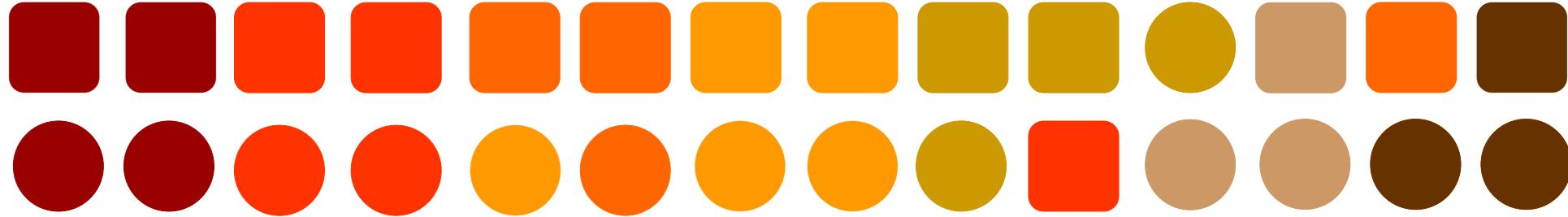
% morta/distúrbio

taxa de mutação

no tempos



modelo baseado em indivíduo



parâmetros

riqueza t_0

abundância t_0

no gametas ♀/ciclo

constante

no distúrbios

% morta/distúrbio

taxa de mutação

no tempos

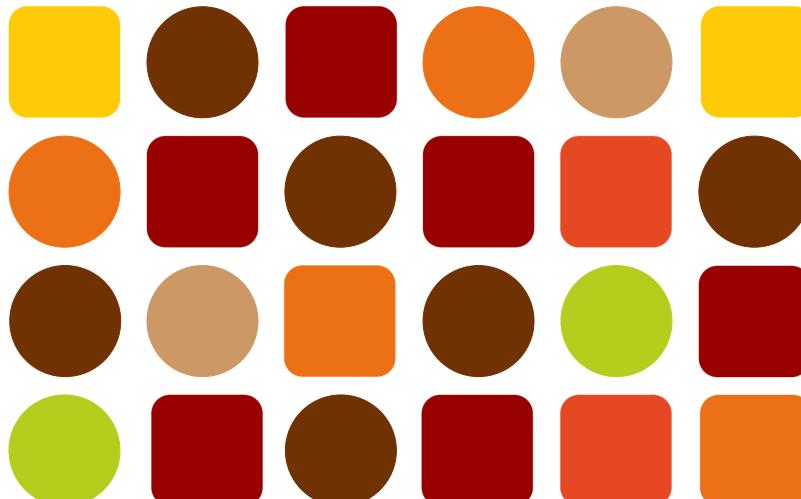


processos possíveis

processos possíveis

dinâmica
evolutiva

- **seleção**
- **deriva genética**
- fluxo gênico
- **mutação**



dinâmica
ecológica

- **filtragem**
- **deriva ecológica**
- migração
- especiação



cenários simulados



cenários simulados

evolutivo

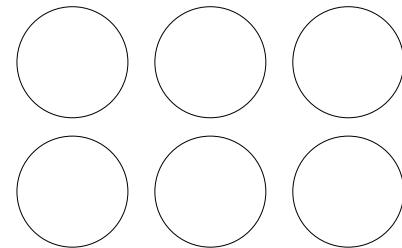
ecológico

eco-evolutivo



cenários simulados

evolutivo

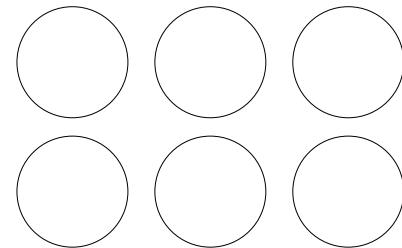


ecológico

eco-evolutivo

cenários simulados

evolutivo



ecológico

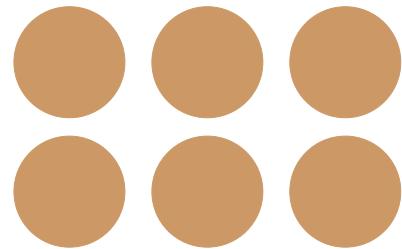
eco-evolutivo

1 espécie



cenários simulados

evolutivo



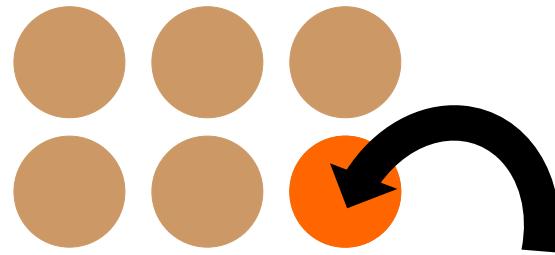
1 espécie

ecológico

eco-evolutivo

cenários simulados

evolutivo



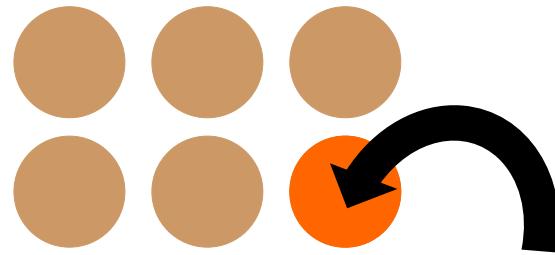
1 espécie

ecológico

eco-evolutivo

cenários simulados

evolutivo



1 espécie

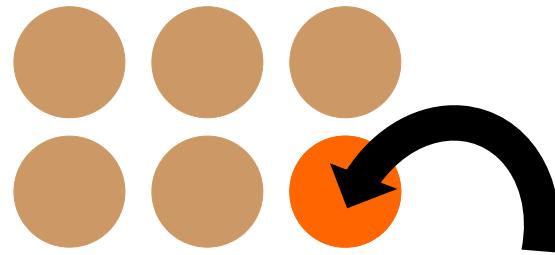
mutação > 0

ecológico

eco-evolutivo

cenários simulados

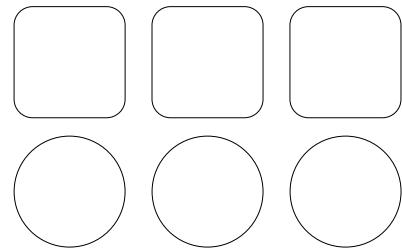
evolutivo



1 espécie

mutação > 0

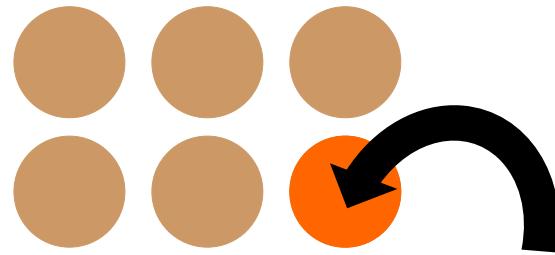
ecológico



eco-evolutivo

cenários simulados

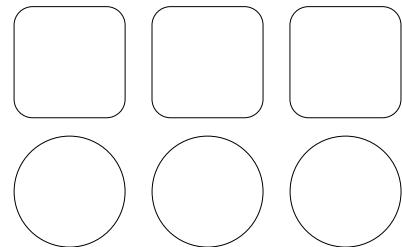
evolutivo



1 espécie

mutação > 0

ecológico

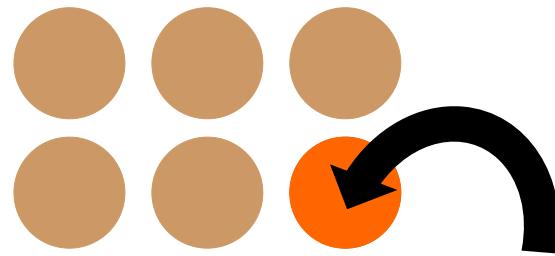


+ 1 espécie

eco-evolutivo

cenários simulados

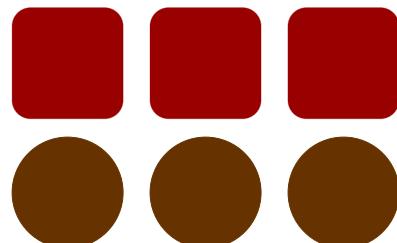
evolutivo



1 espécie

mutação > 0

ecológico

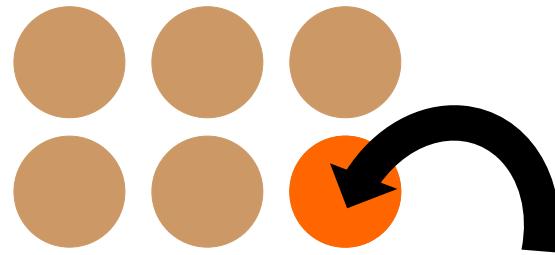


+ 1 espécie

eco-evolutivo

cenários simulados

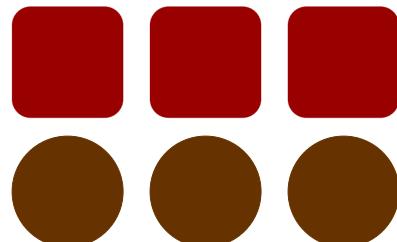
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1 espécie

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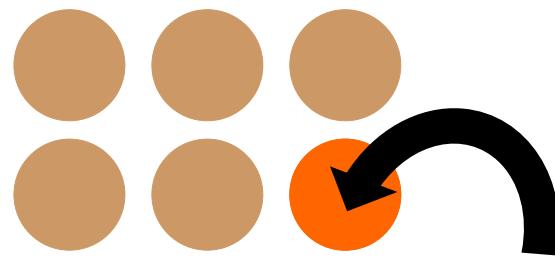
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mutação = 0

eco-evolutivo

cenários simulados

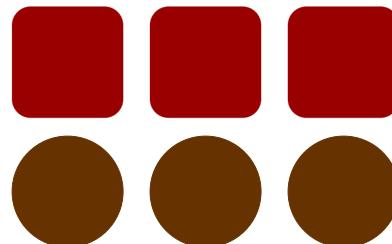
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1 espécie

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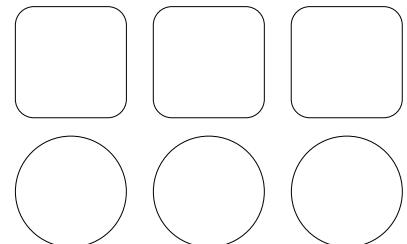
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+ 1 espécie

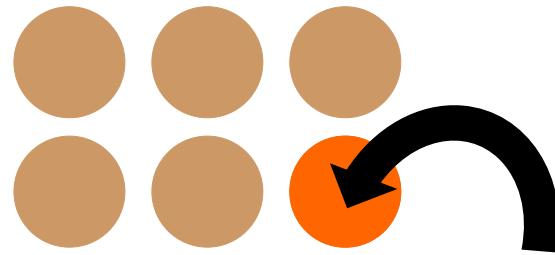
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cenários simulados

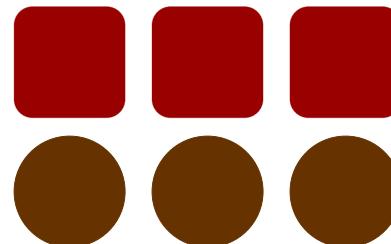
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1 espécie

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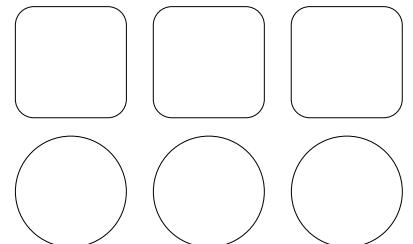
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+ 1 espécie

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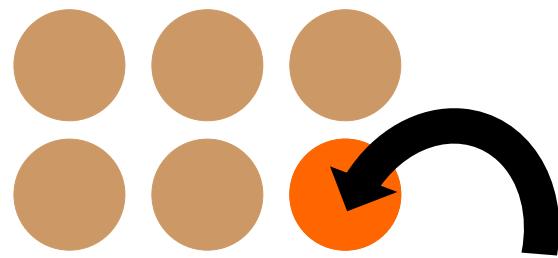
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+ 1 espécie

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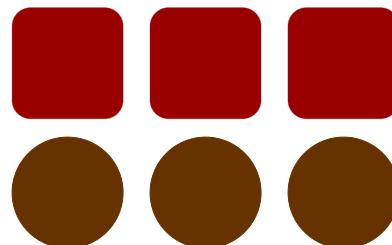
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1 espécie

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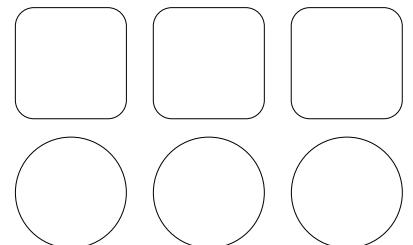
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+ 1 espécie

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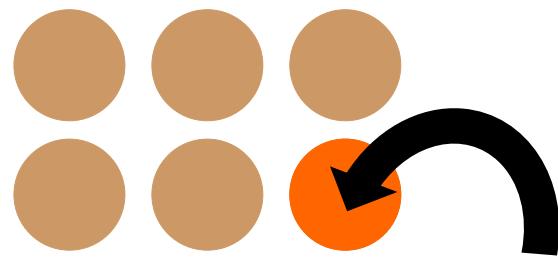
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+ 1 espécie

cenários simulados

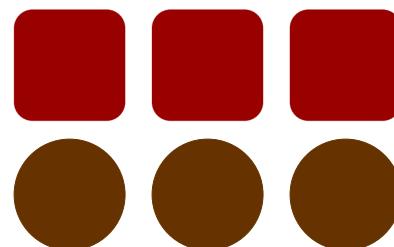
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1 espécie

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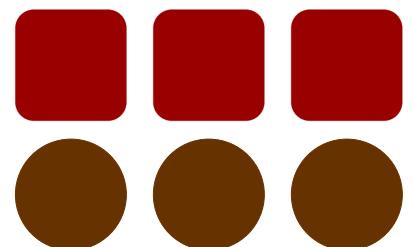
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+ 1 espécie

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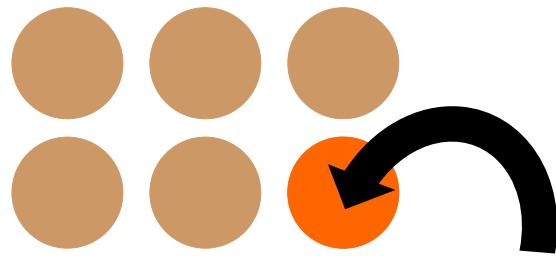
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+ 1 espécie

cenários simulados

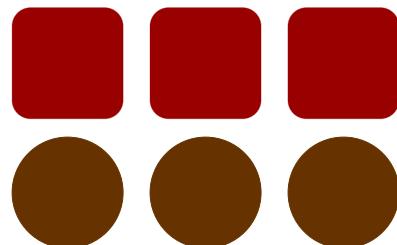
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1 espécie

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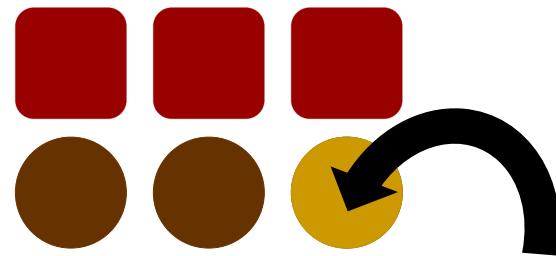
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+ 1 espécie

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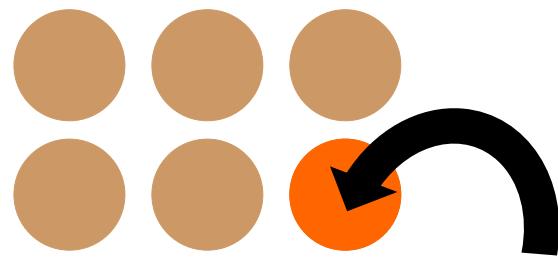
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+ 1 espécie

cenários simulados

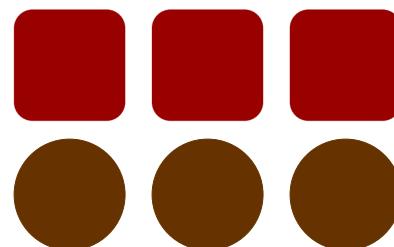
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1 espécie

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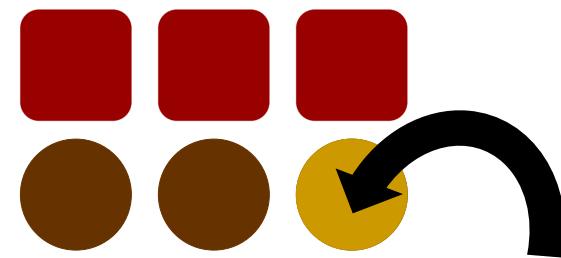
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+ 1 espécie

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eco-evolutivo

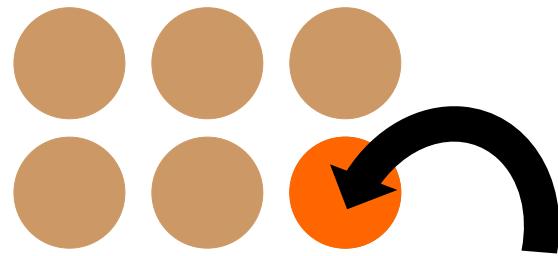


+ 1 espécie

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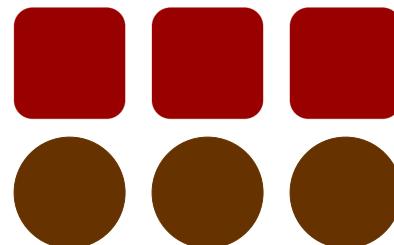
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1 espécie

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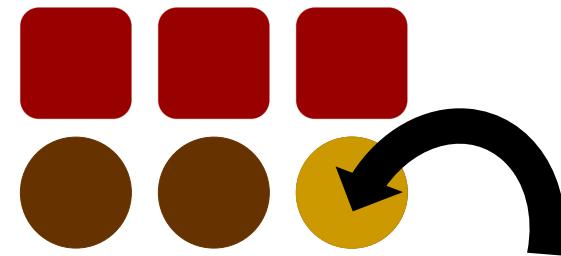
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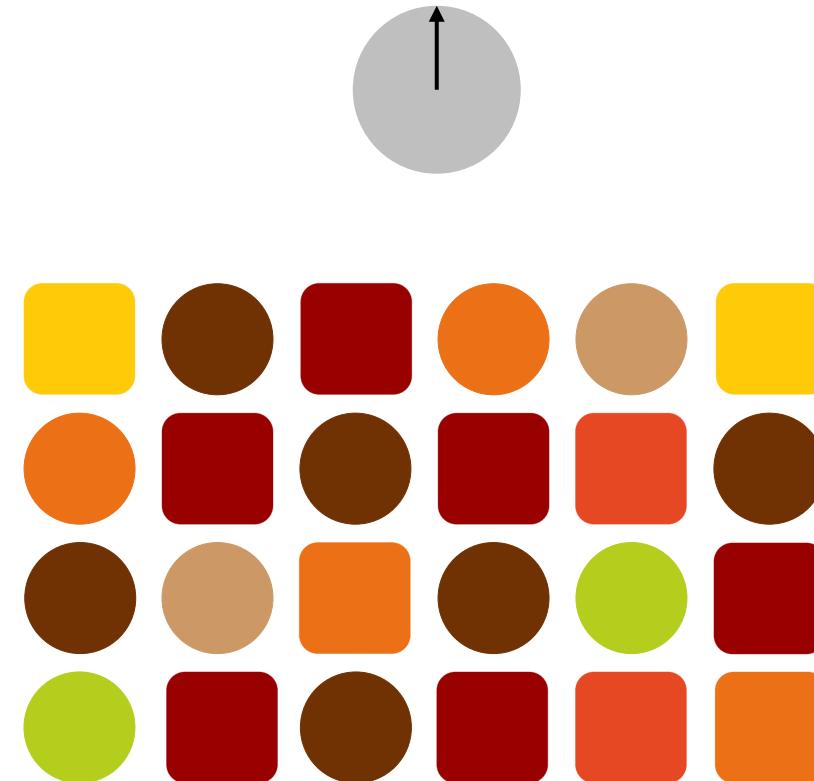
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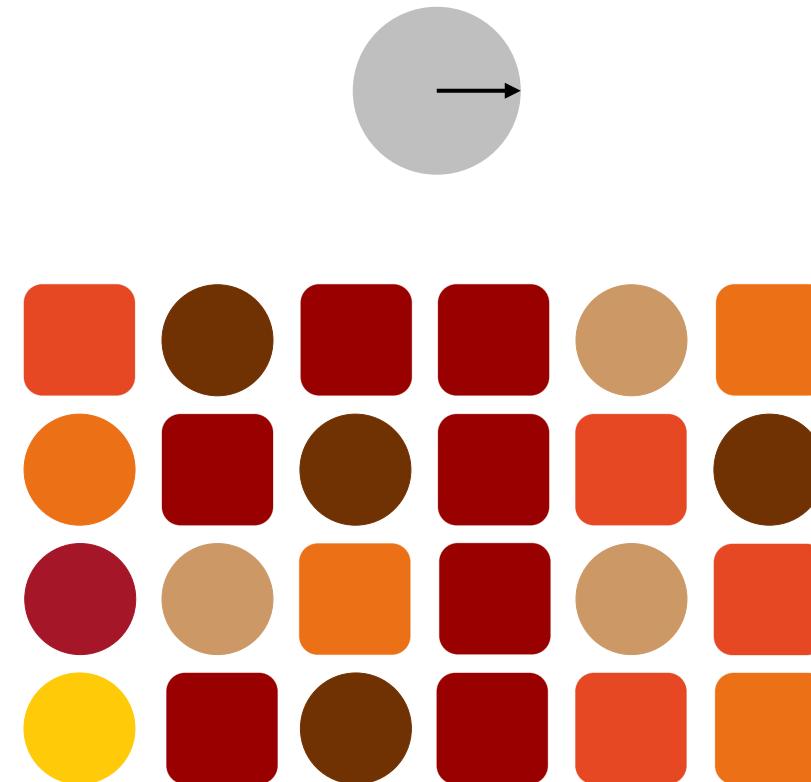
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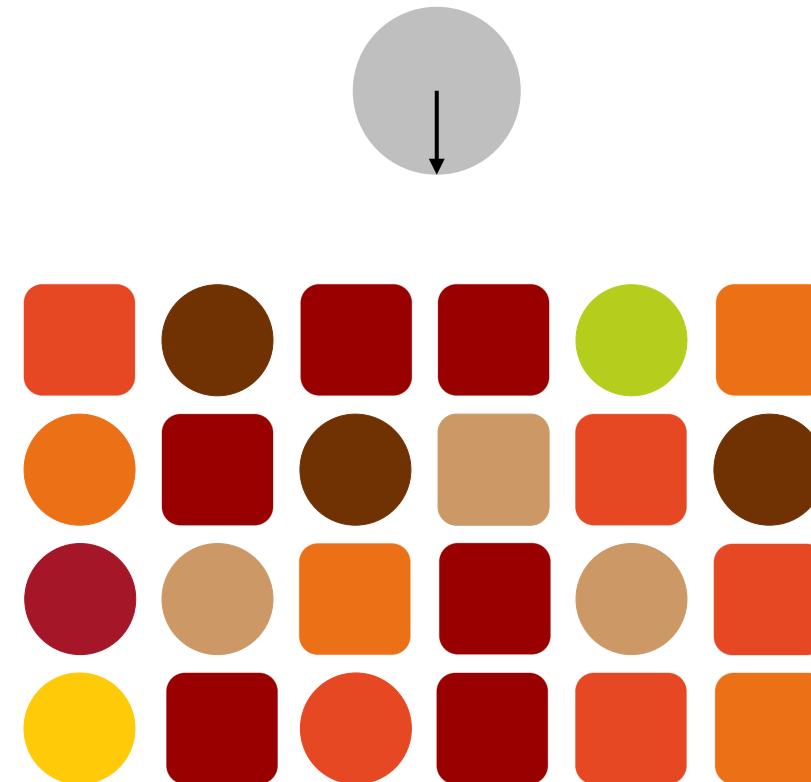
variáveis de interesse



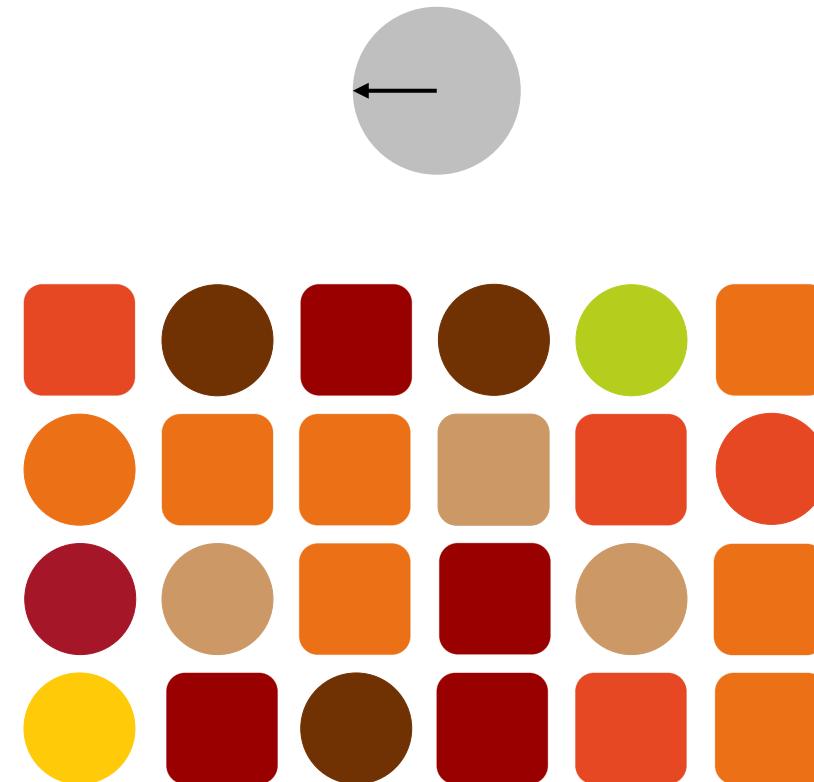
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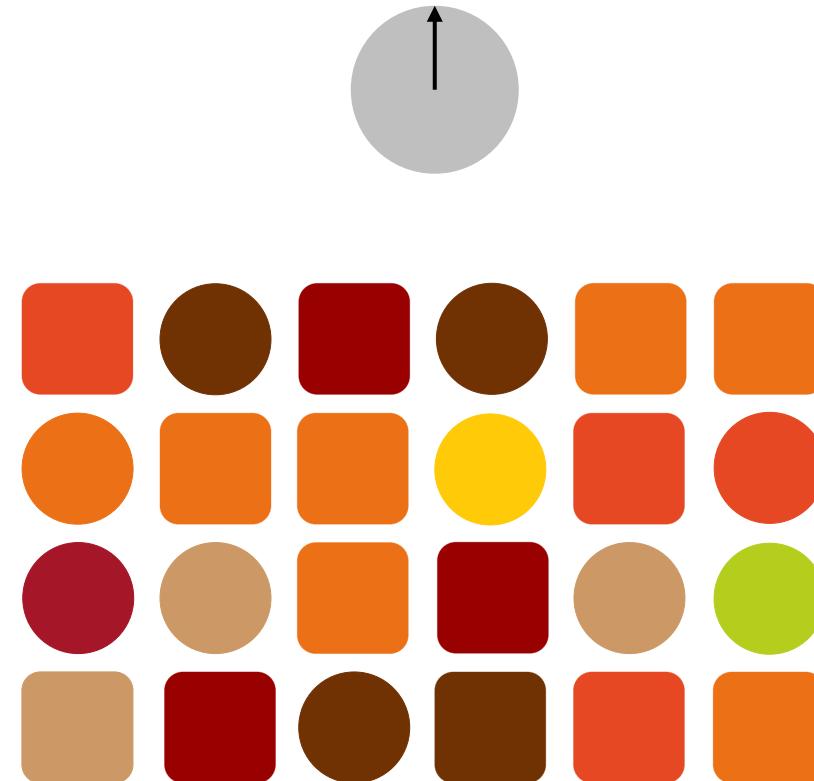
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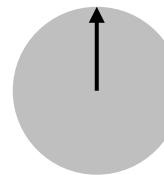
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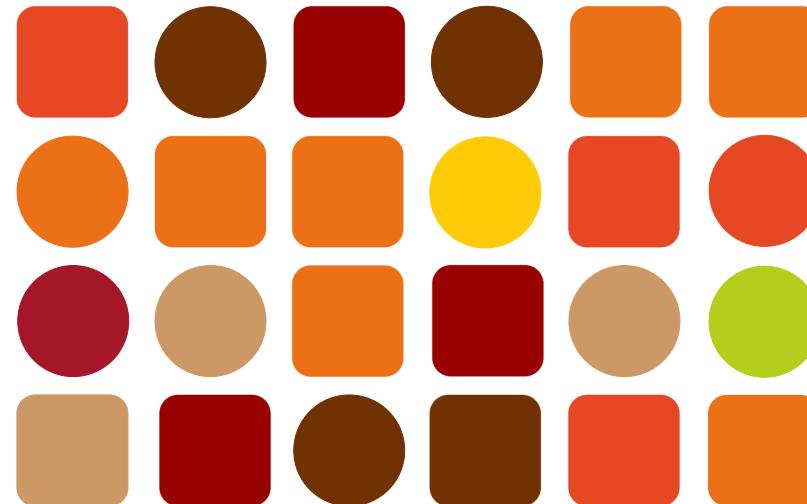
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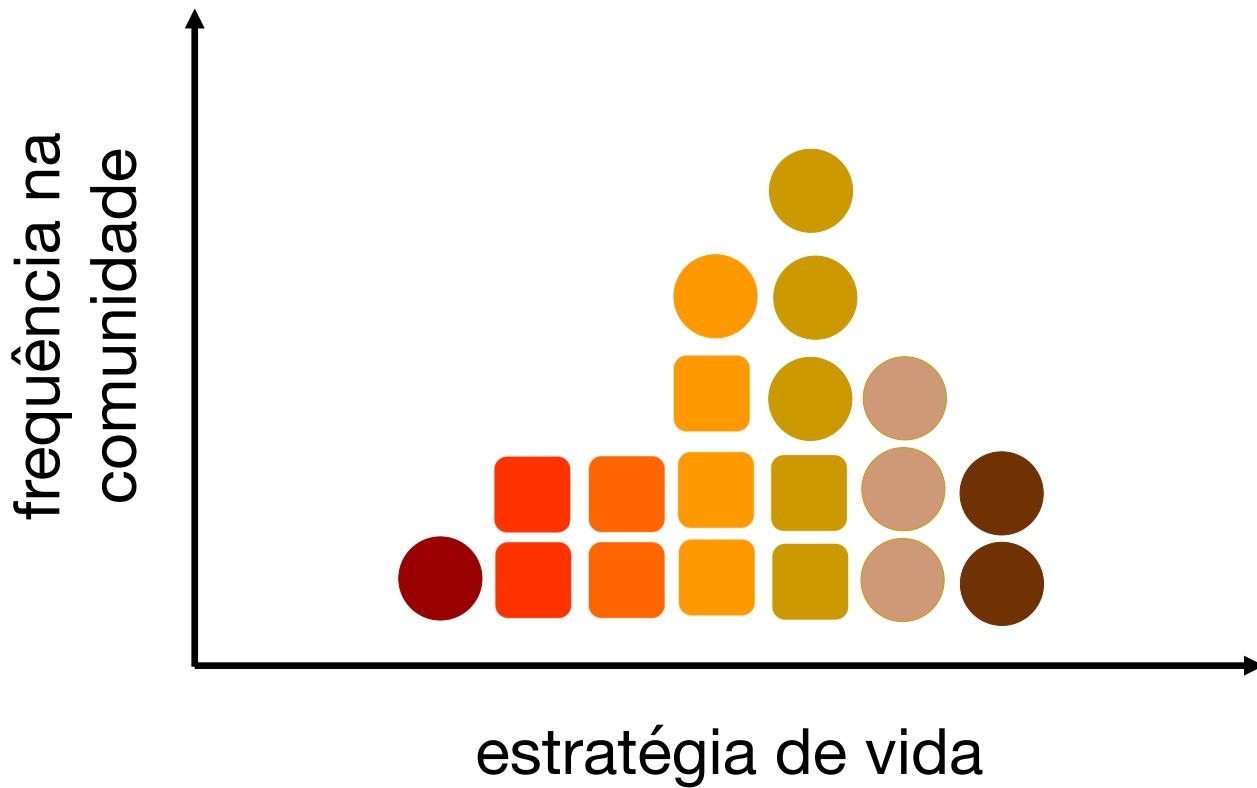
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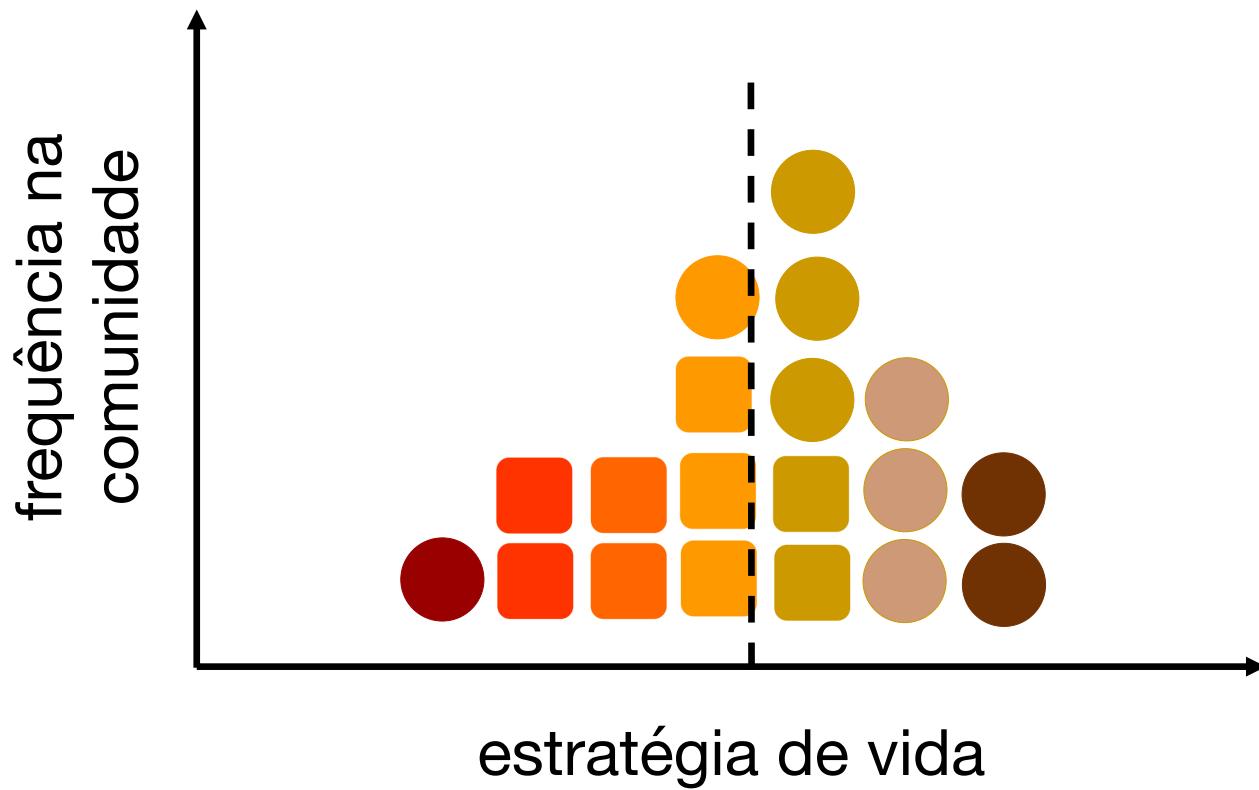
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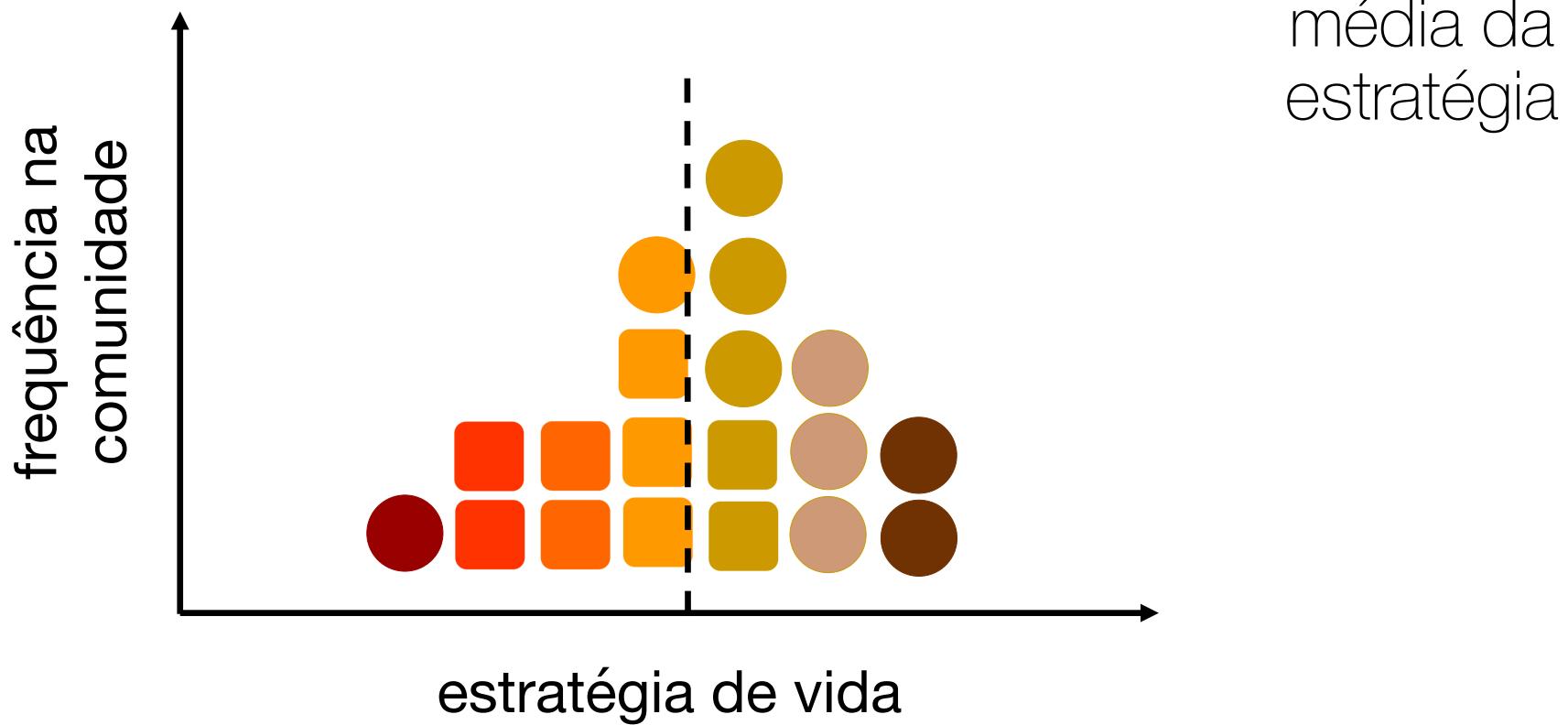
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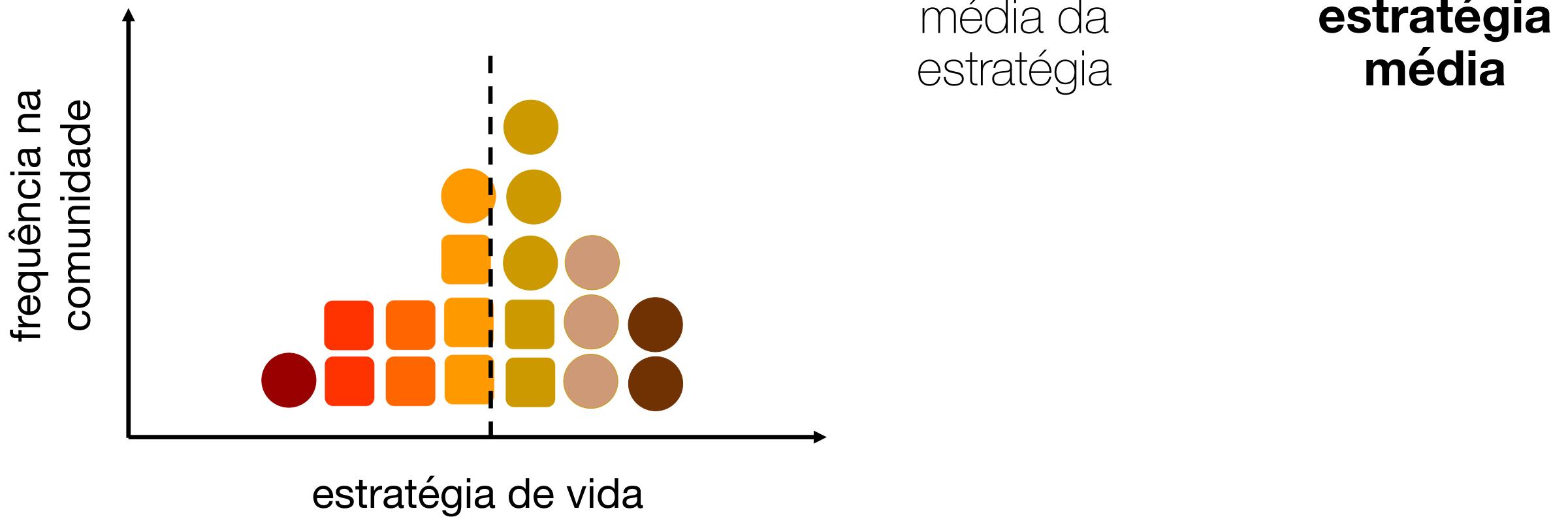
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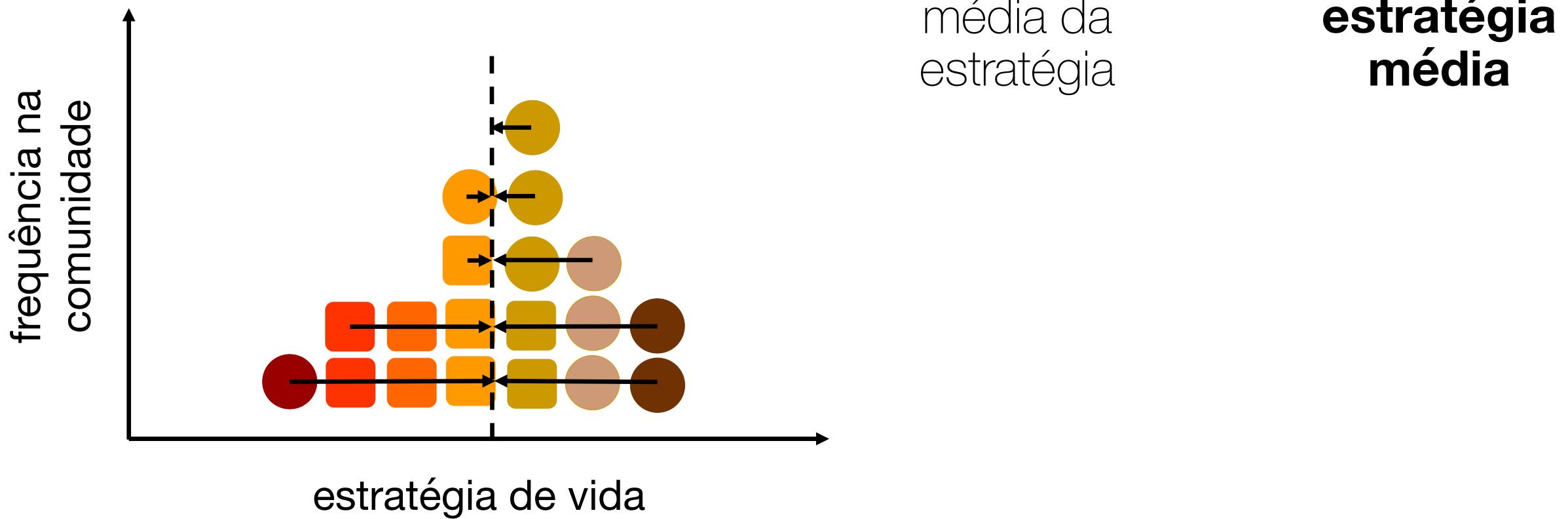
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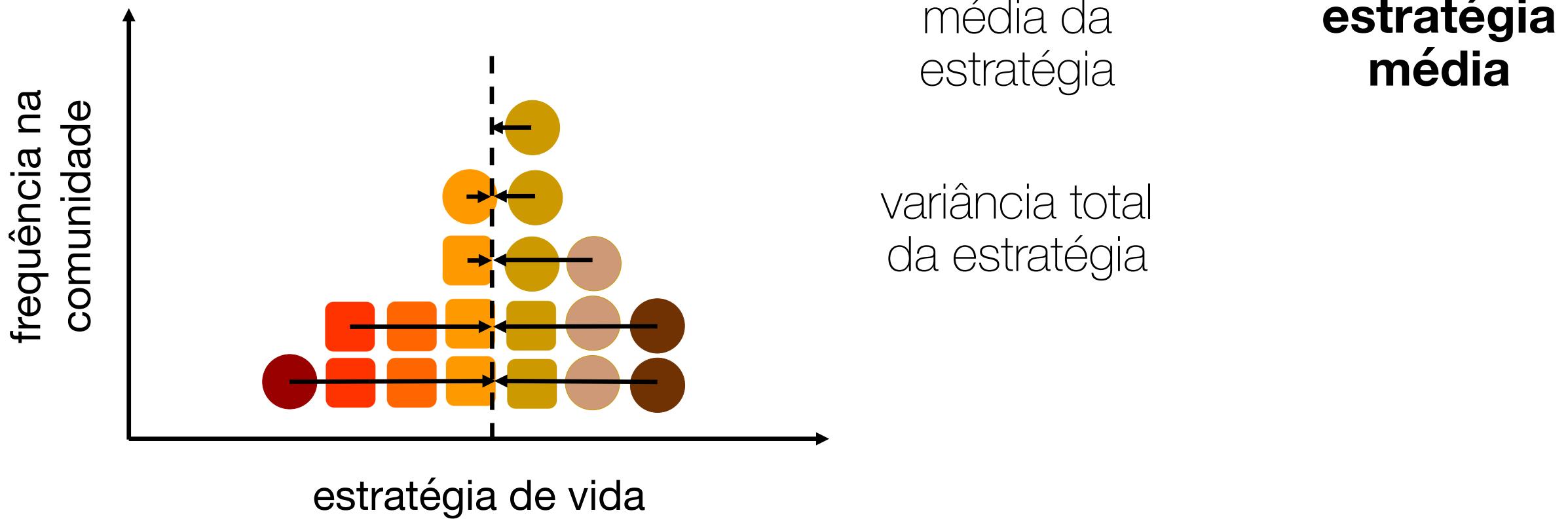
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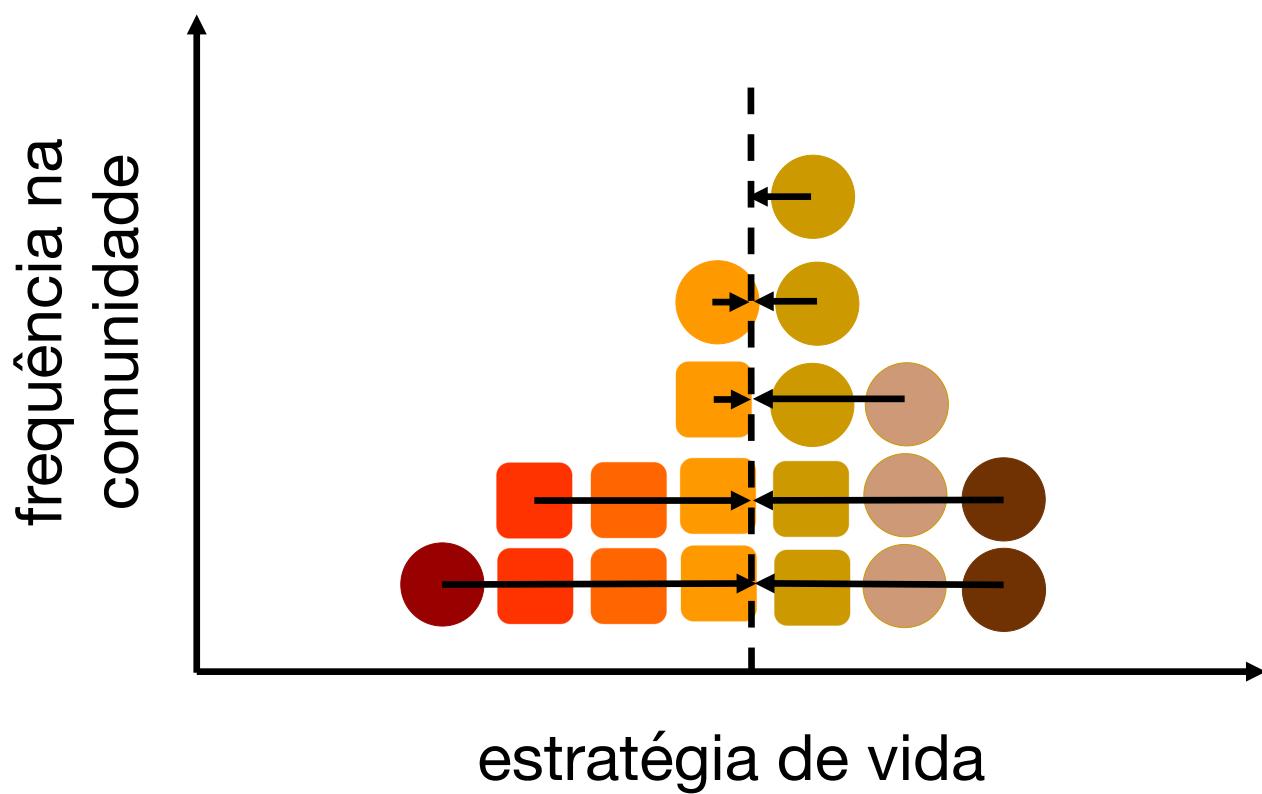
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variáveis de interesse



variáveis de interesse



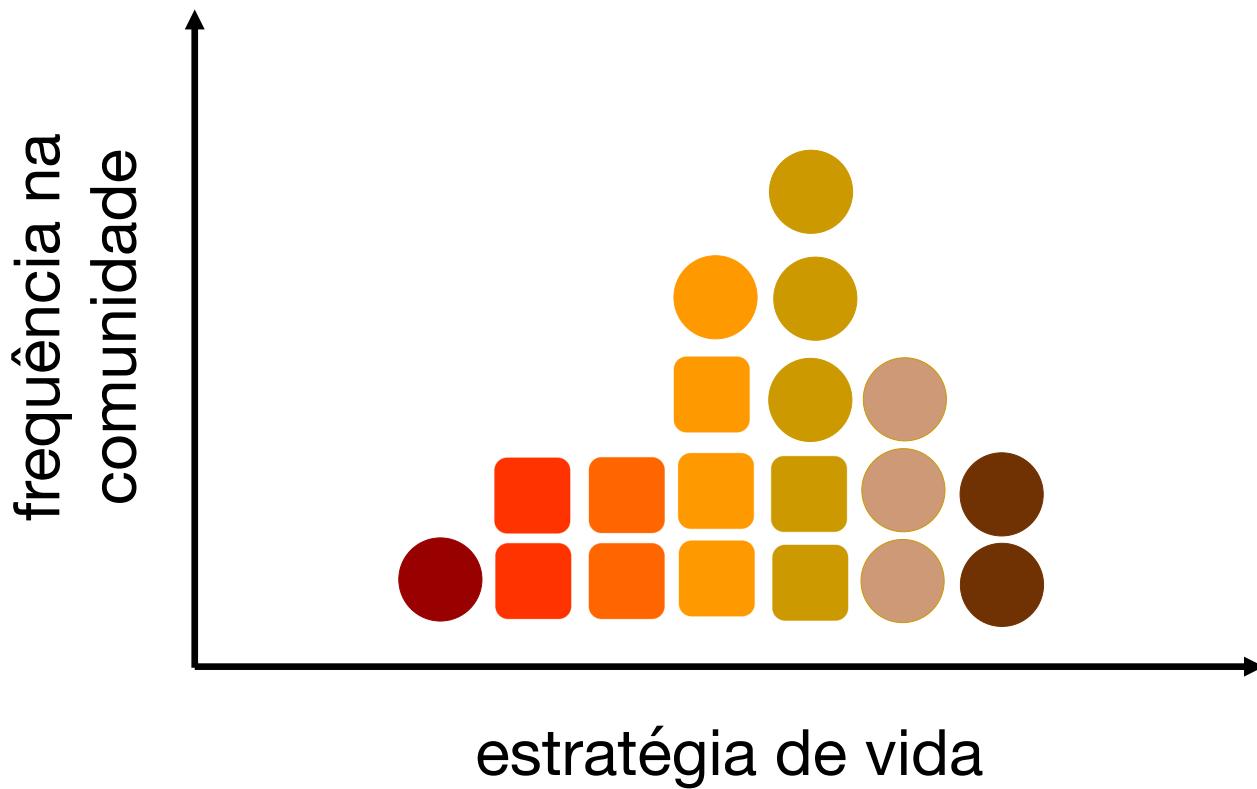
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variância total
da estratégia

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média**

**diversidade
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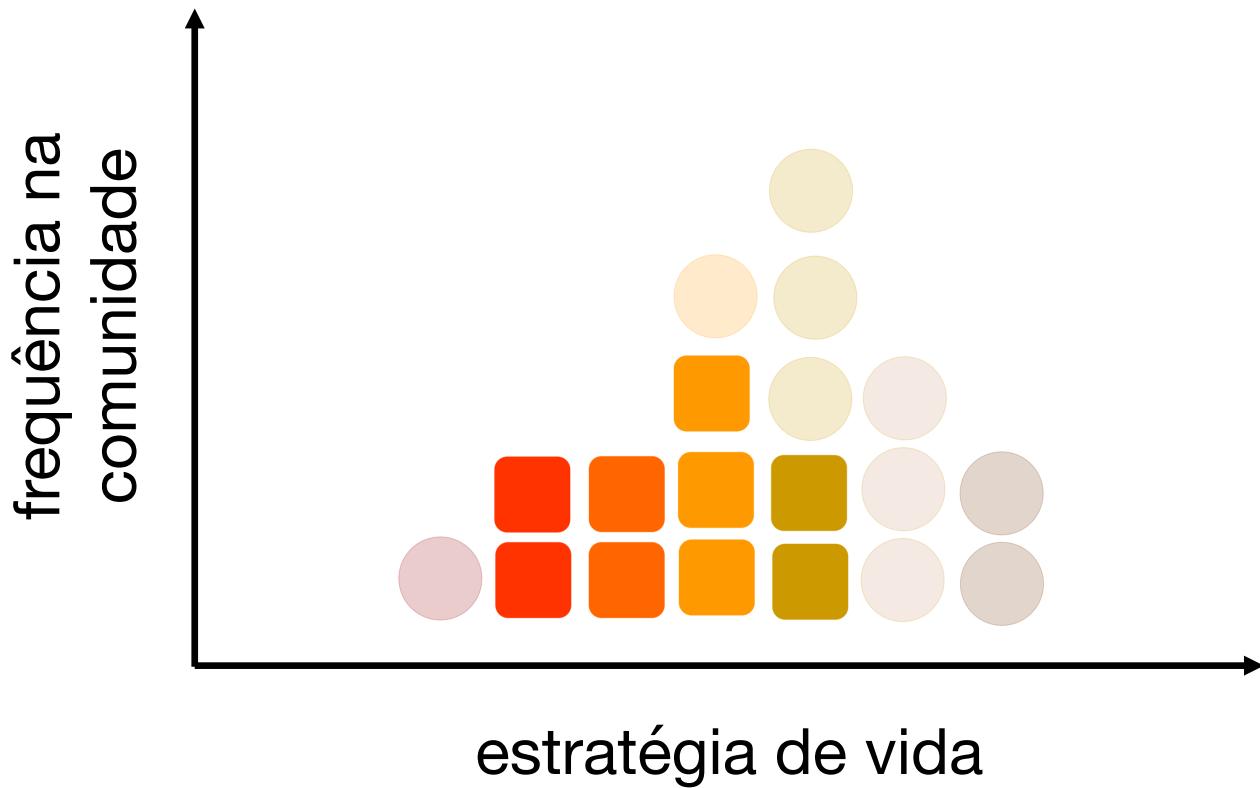


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média da
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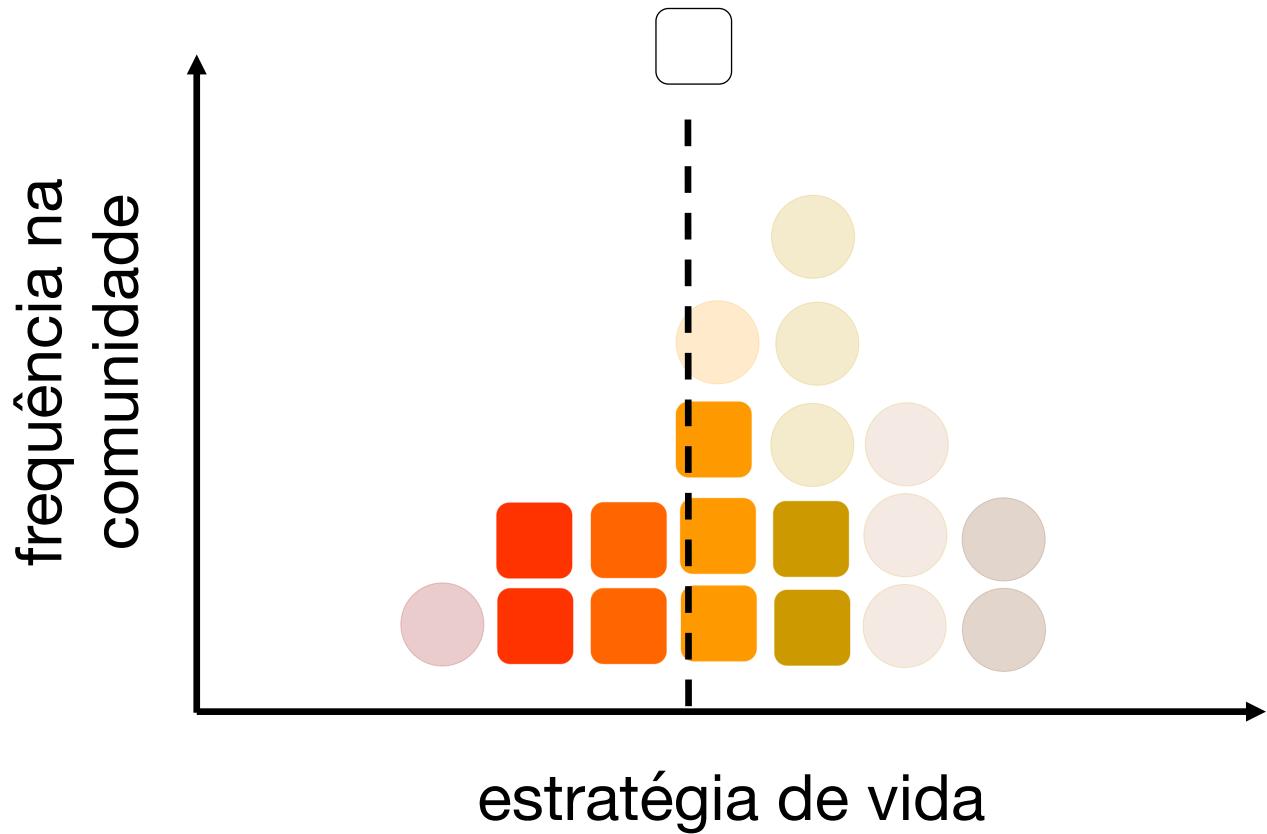
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variáveis de interesse



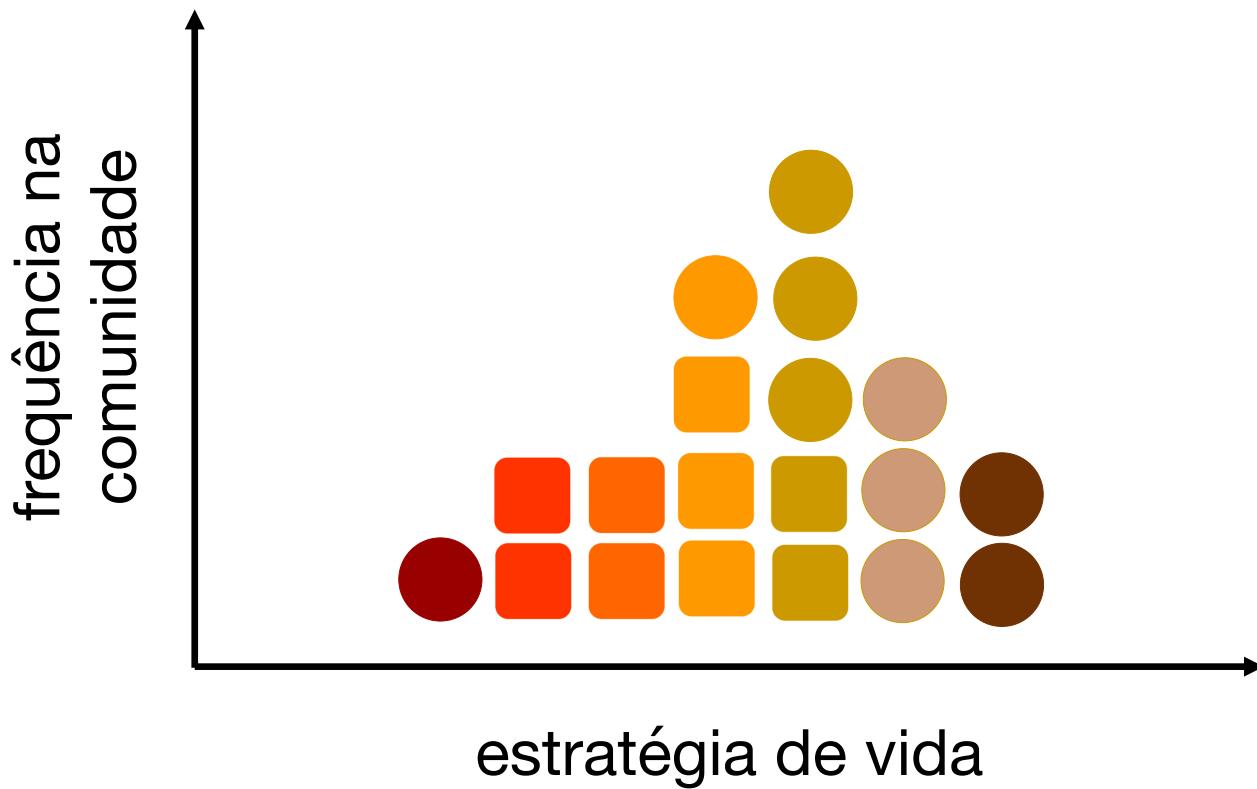
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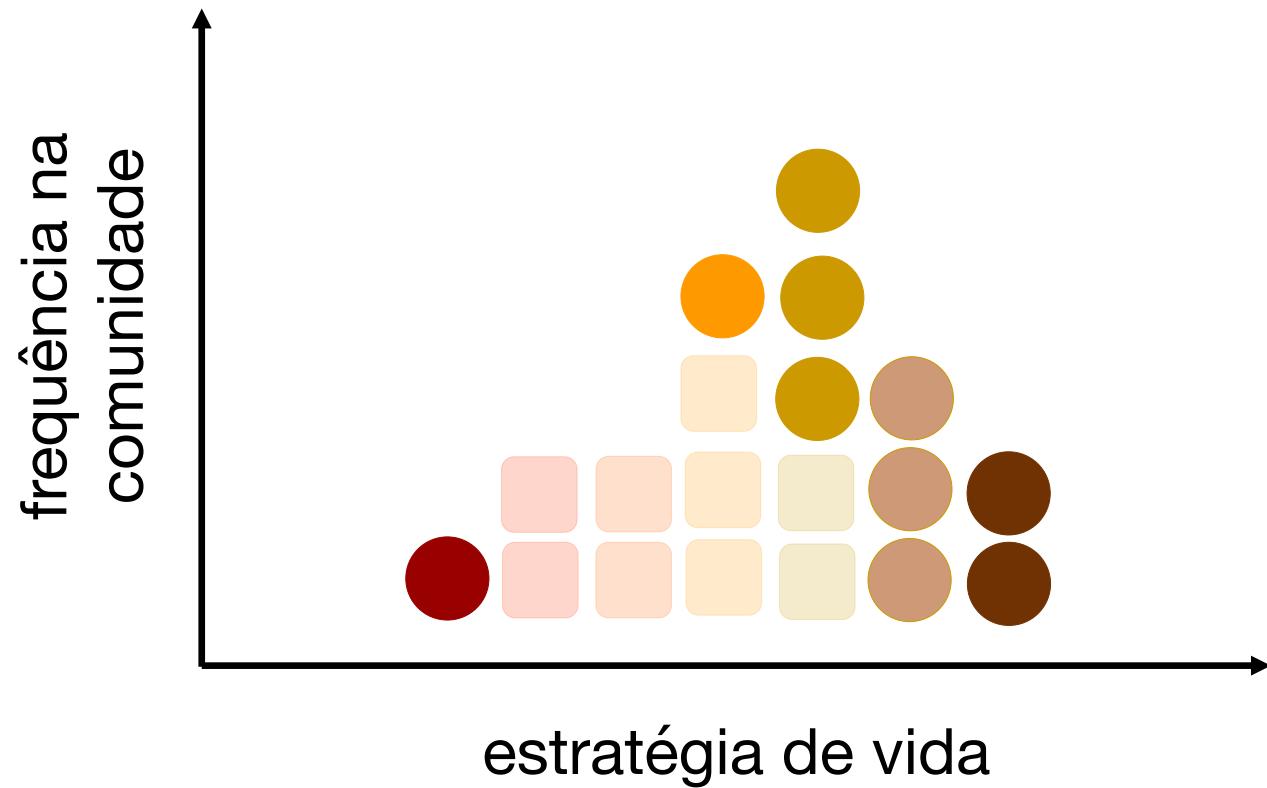


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variáveis de interesse



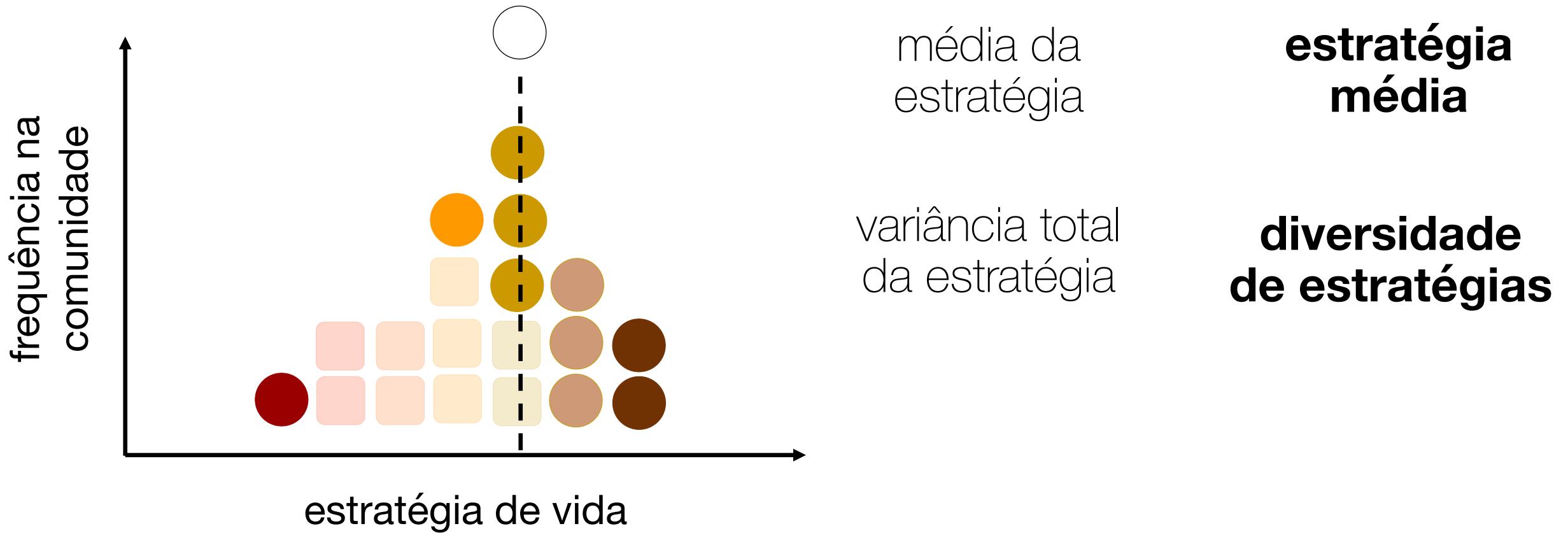
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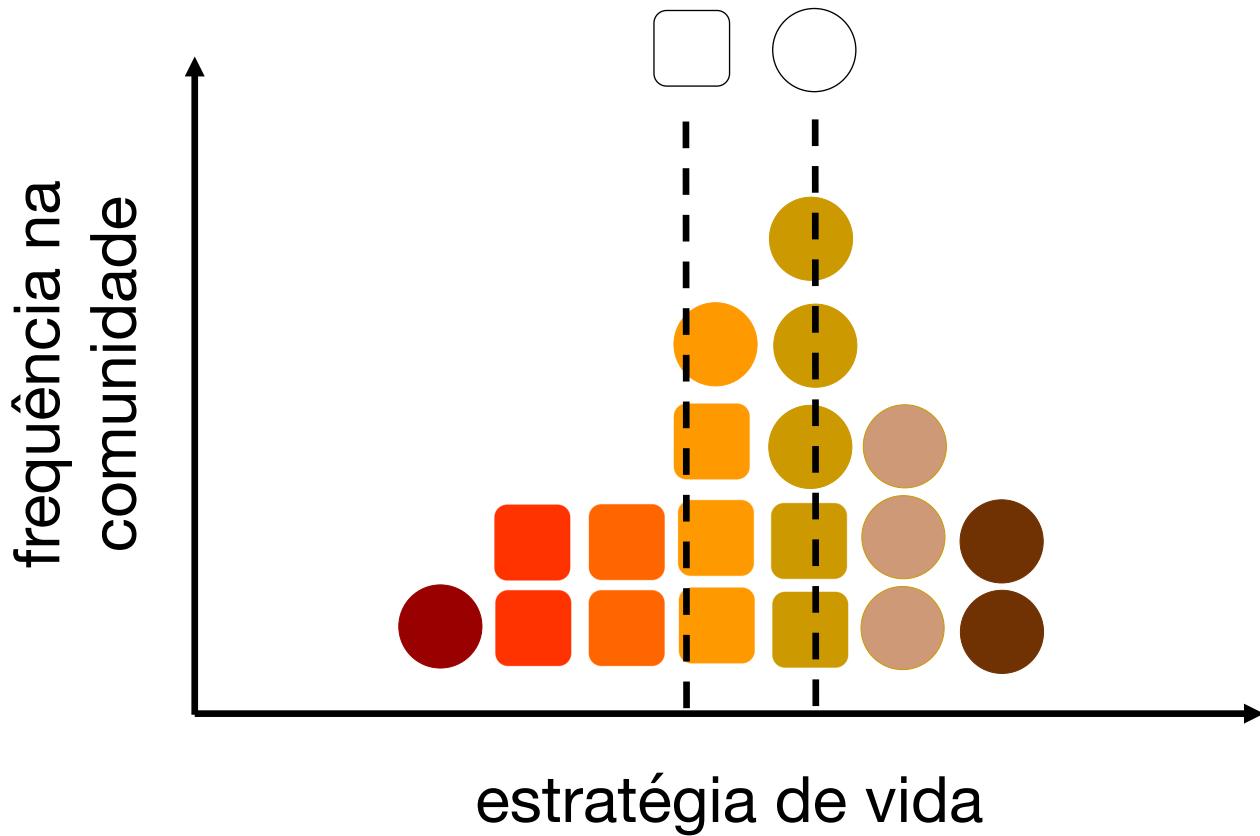
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variáveis de interesse



variáveis de interesse



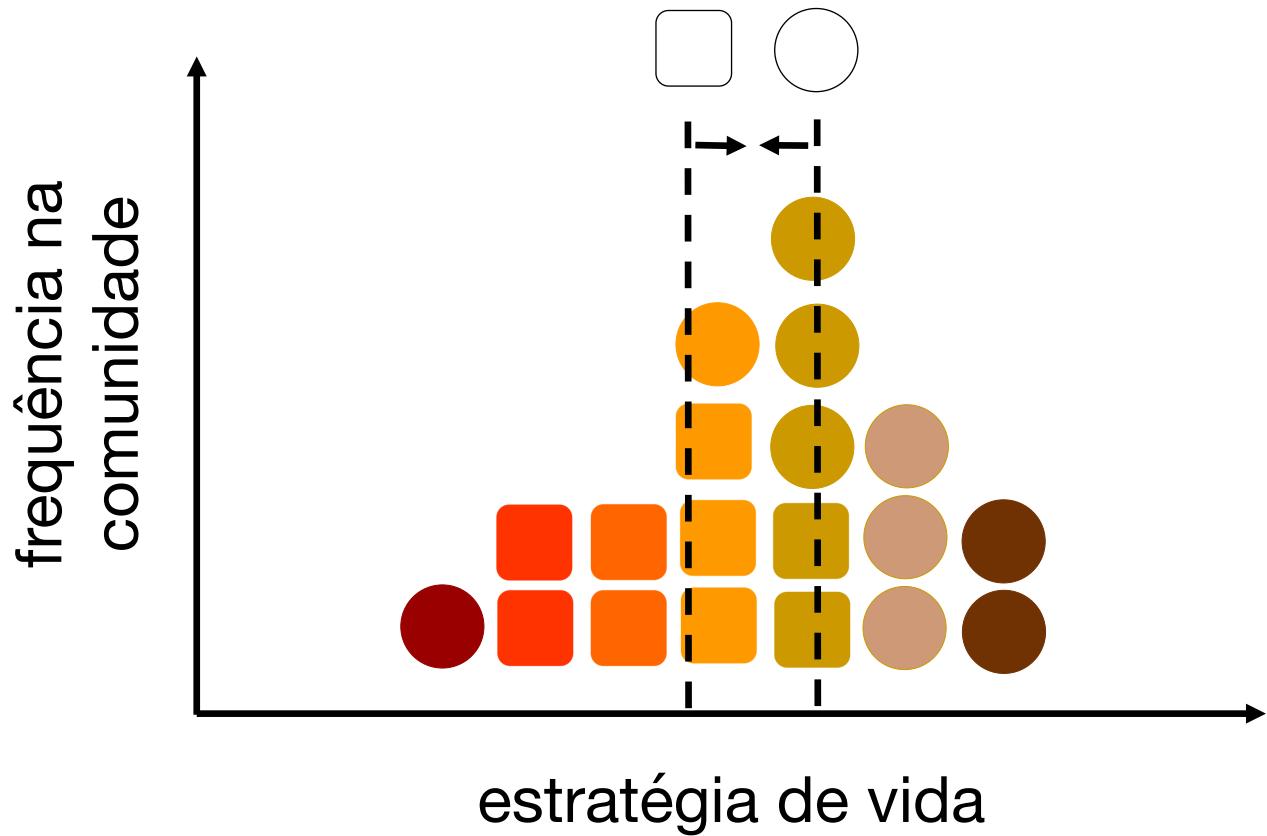
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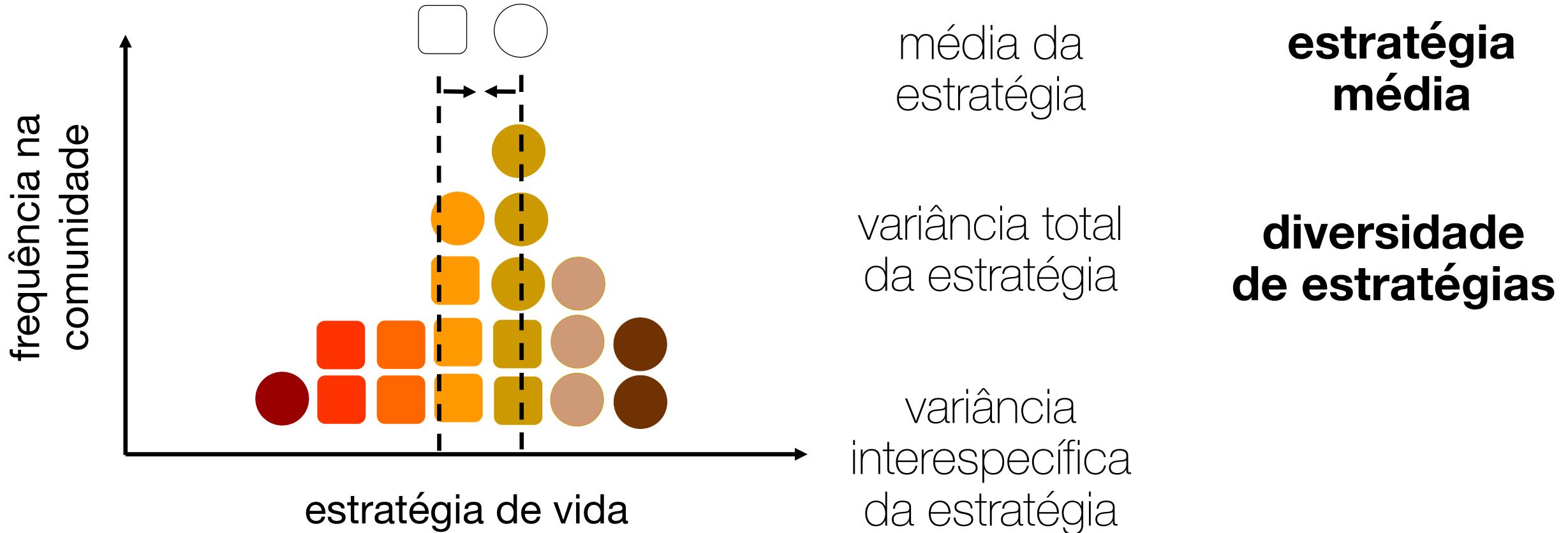
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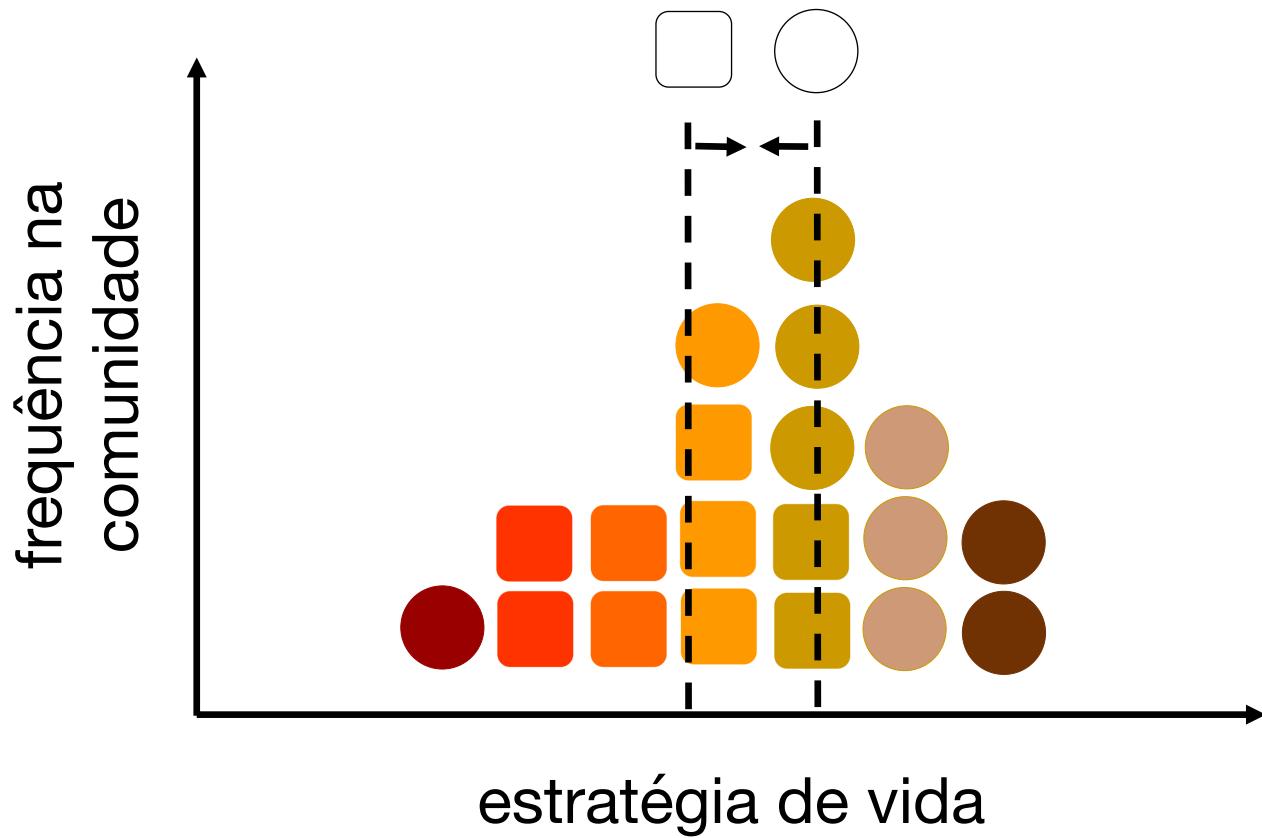
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variáveis de interesse



variáveis de interesse



média da estratégia

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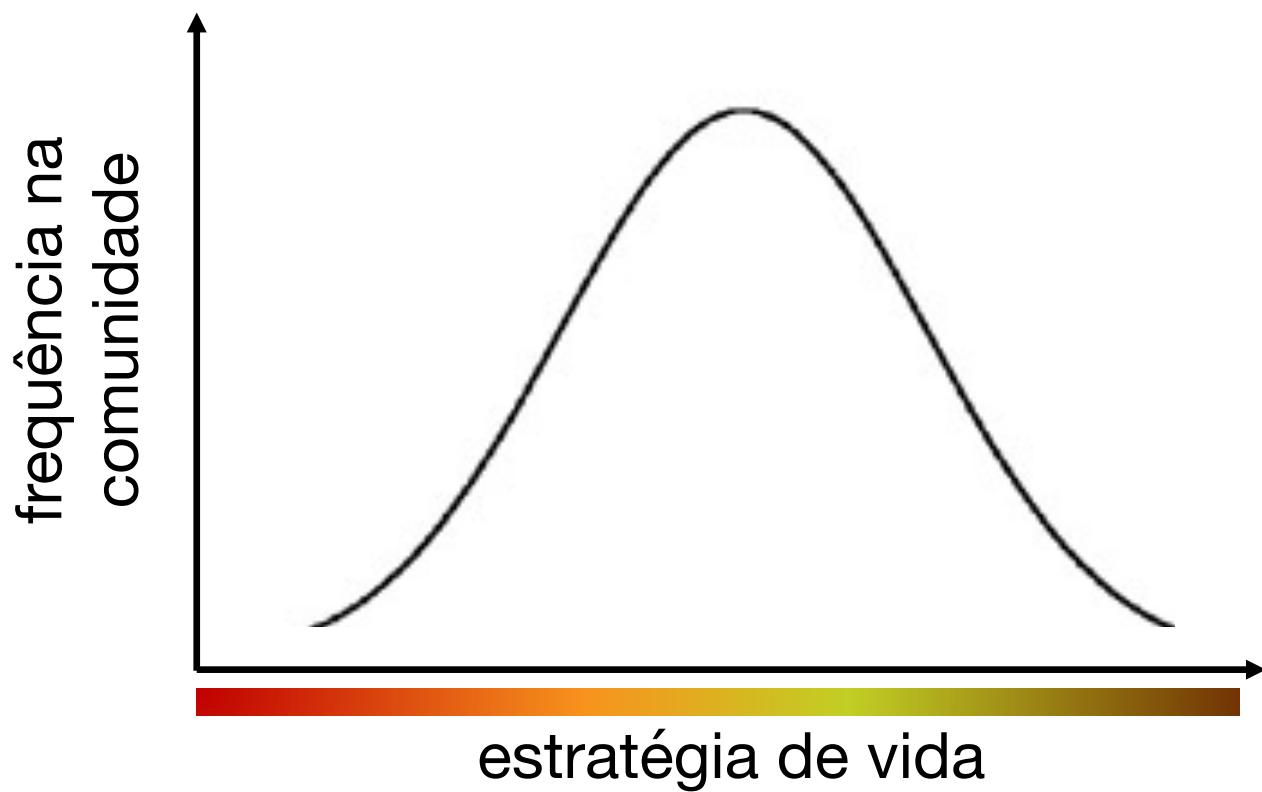
variância interespecífica da estratégia

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variáveis de interesse



média da estratégia

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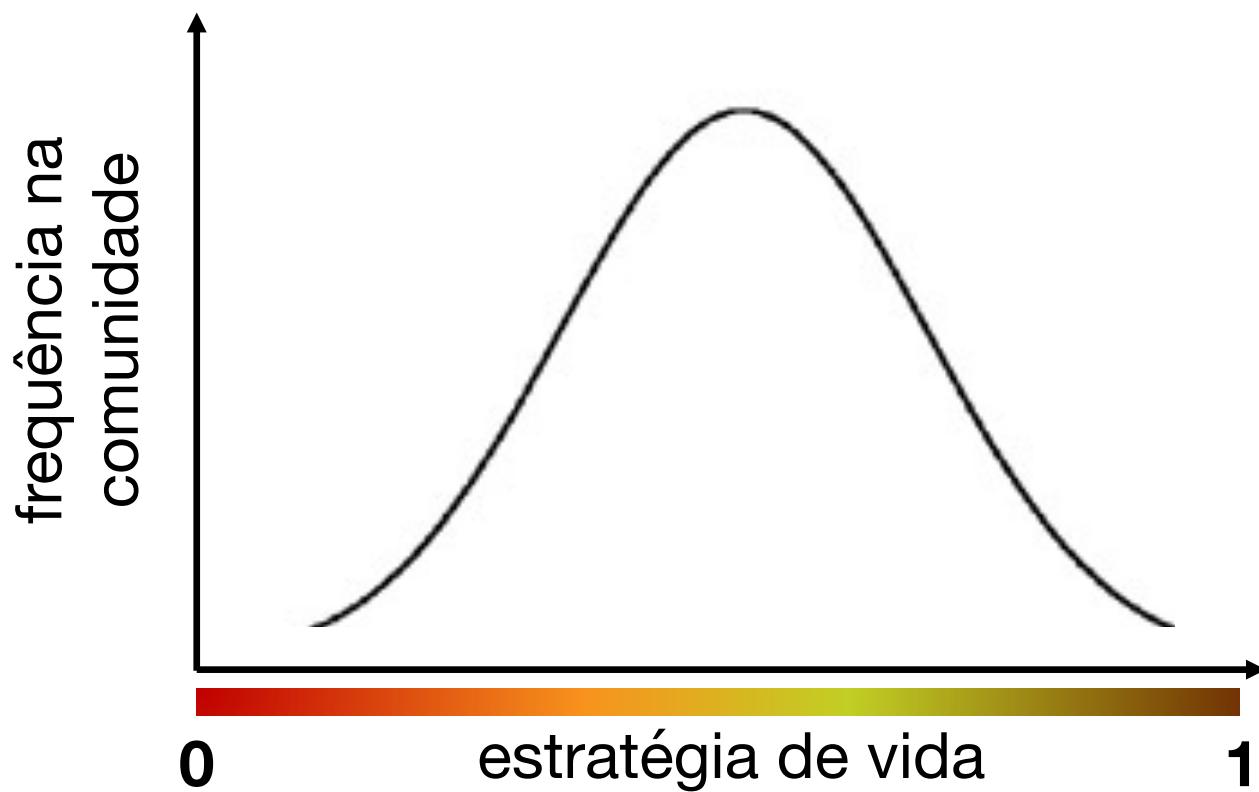
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média da estratégia

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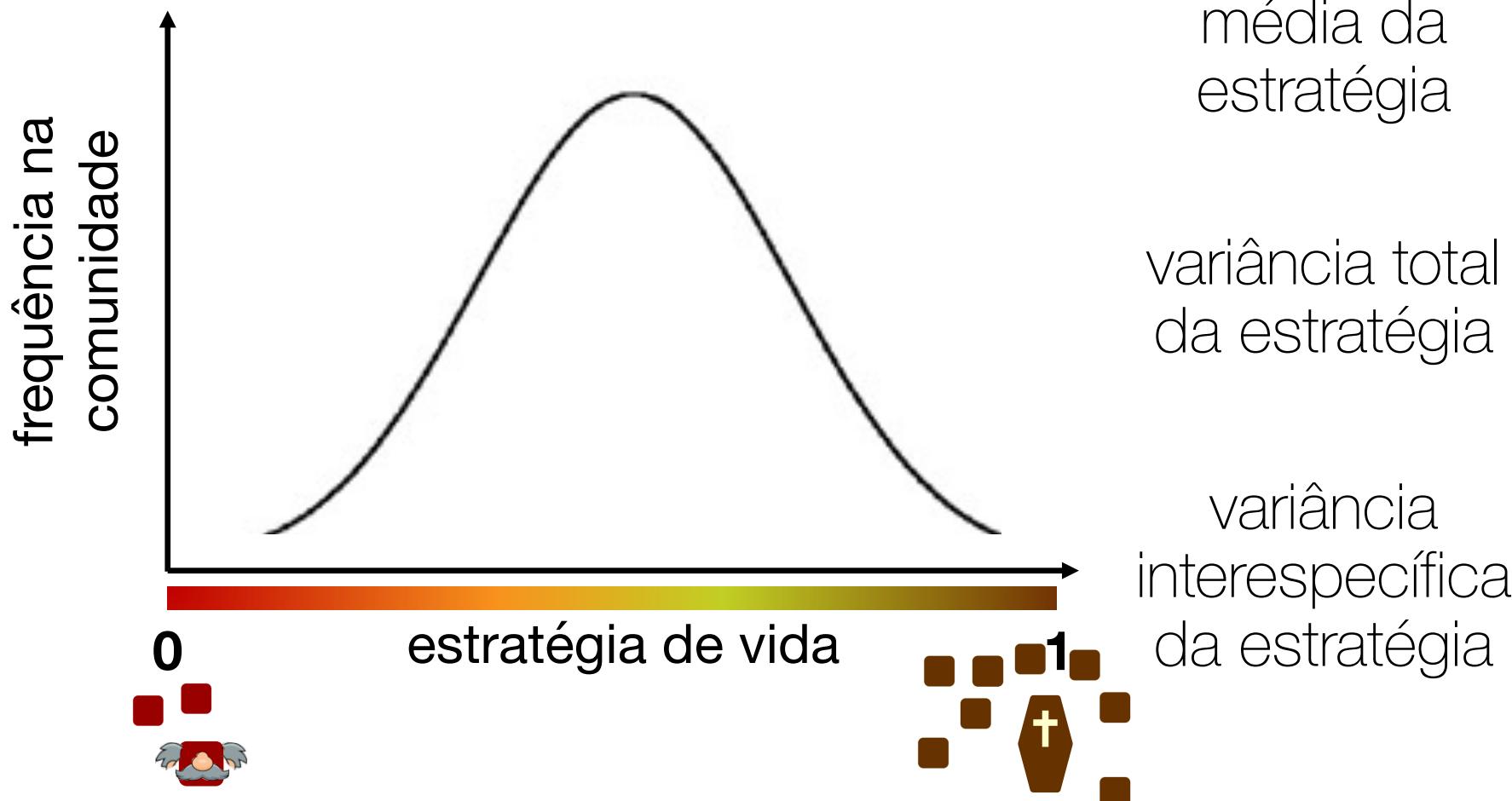
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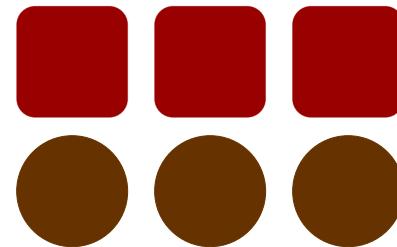
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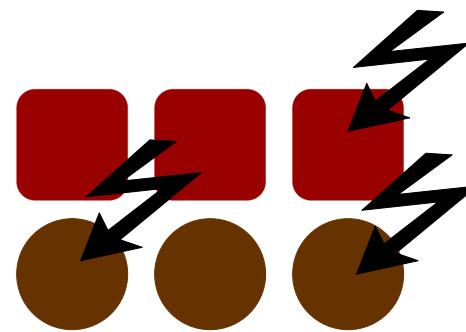
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variável preditora

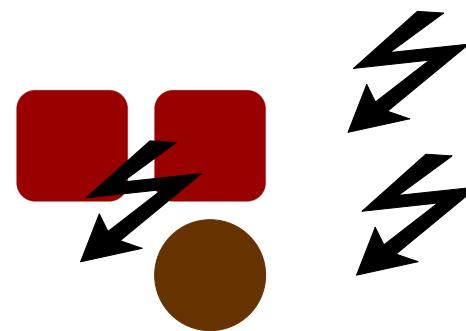
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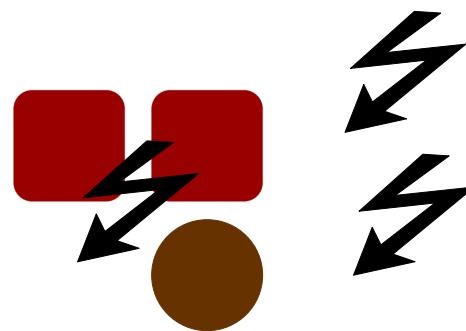
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variável preditora

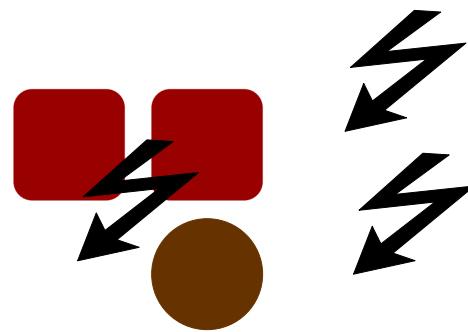


variável preditora



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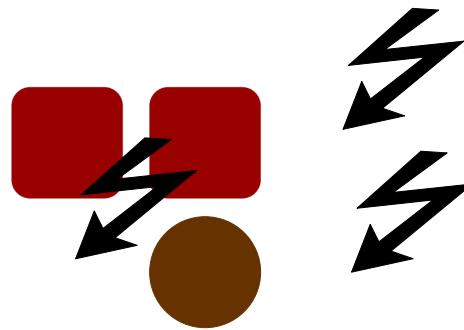
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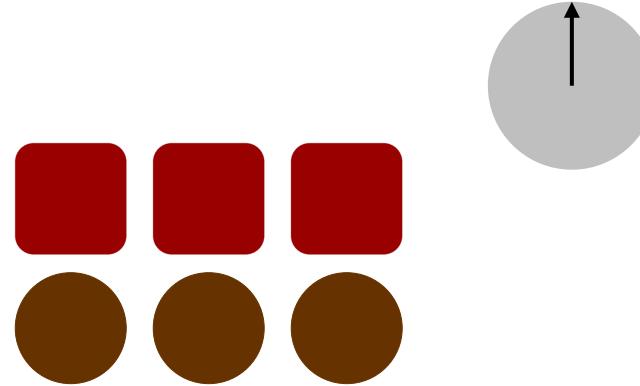
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do distúrbio**

variável preditora

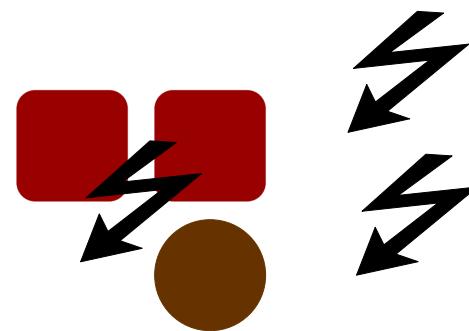


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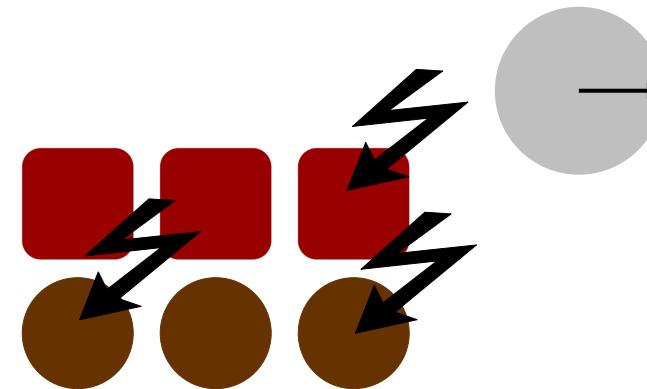


**intensidade
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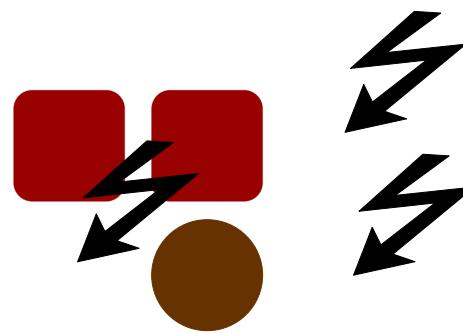


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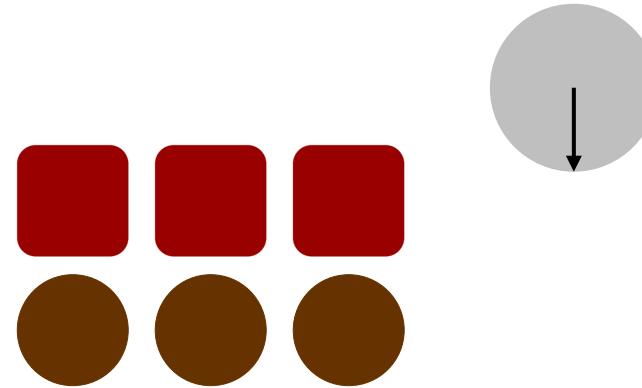


**intensidade
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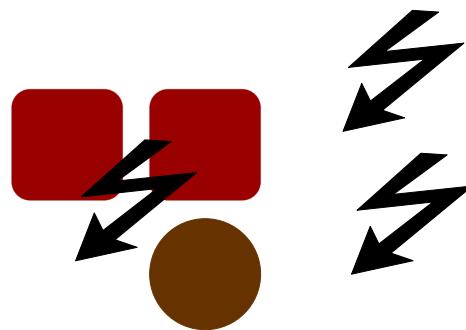


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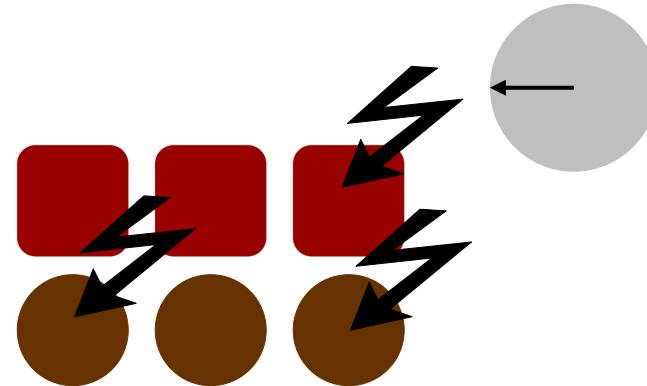


**intensidade
do distúrbio**

variável preditora

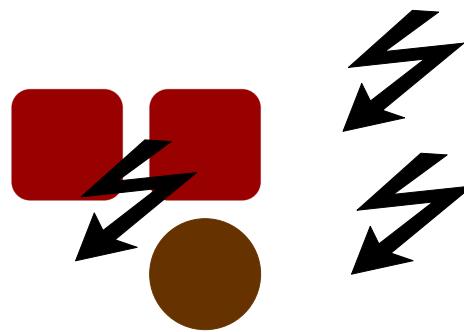


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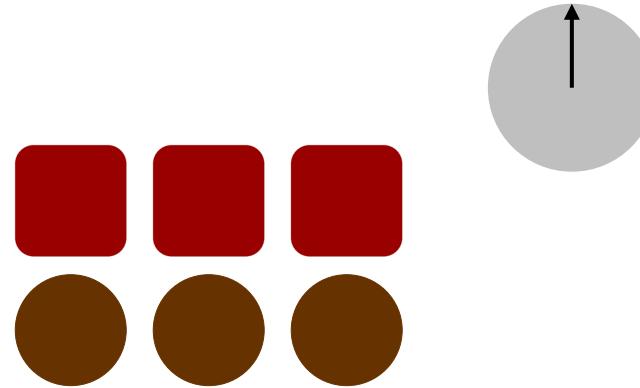


**intensidade
do distúrbio**

variável preditora

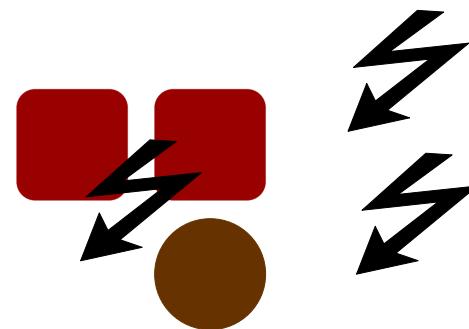


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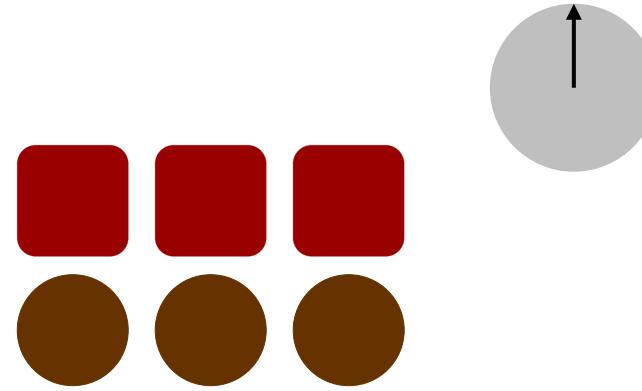
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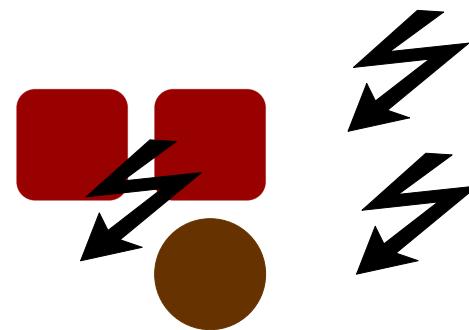
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**intensidade
do distúrbio**



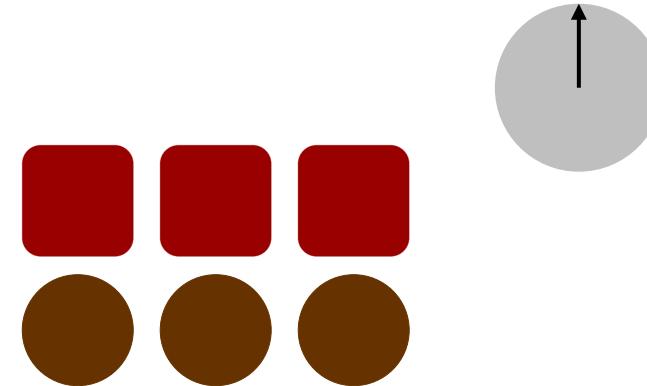
2 eventos

variável preditora



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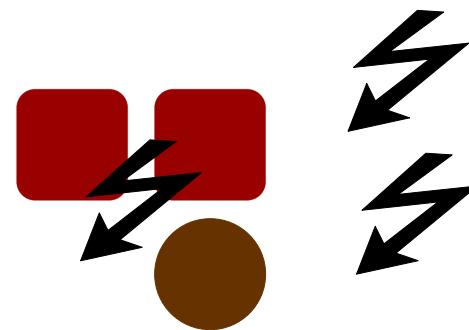
**intensidade
do distúrbio**



2 eventos

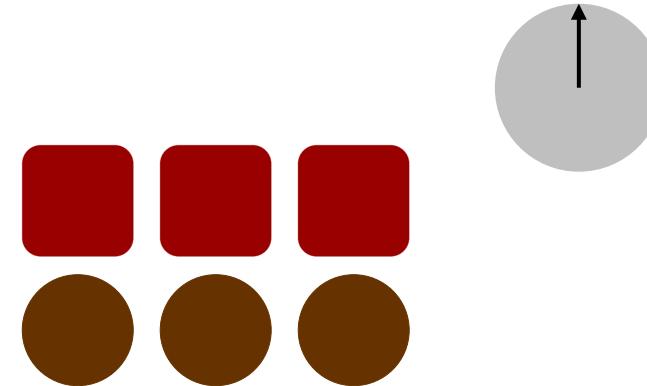
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eventos de
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variável preditora



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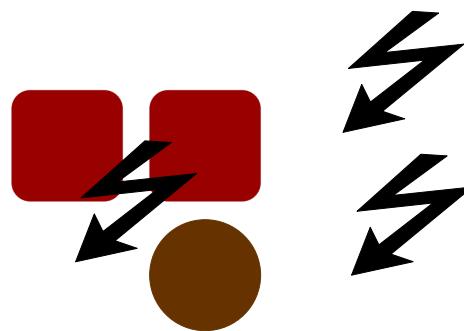
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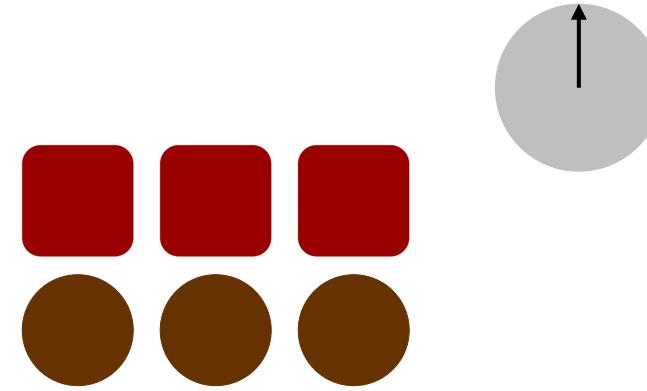
2 eventos

**número de
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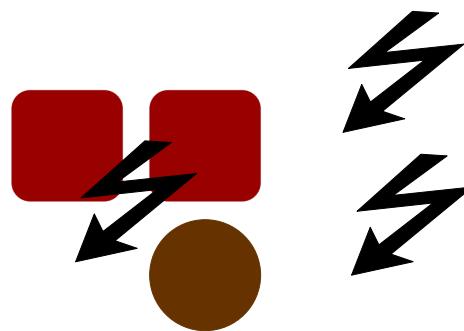
50%



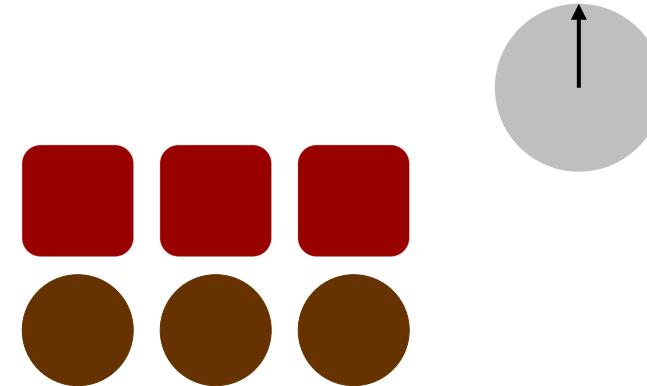
2 eventos

=

variável preditora



50%



2 eventos

**índice de
distúrbio**



análise dos dados



modelos

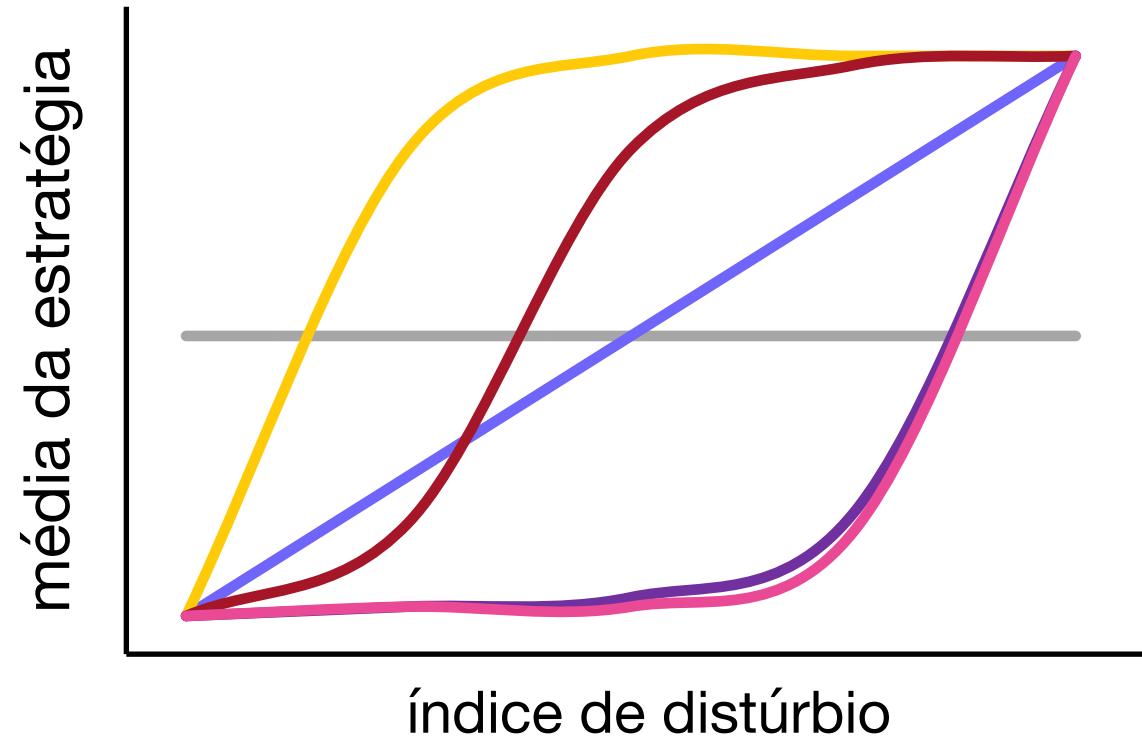
variável de interesse ~ distúrbio



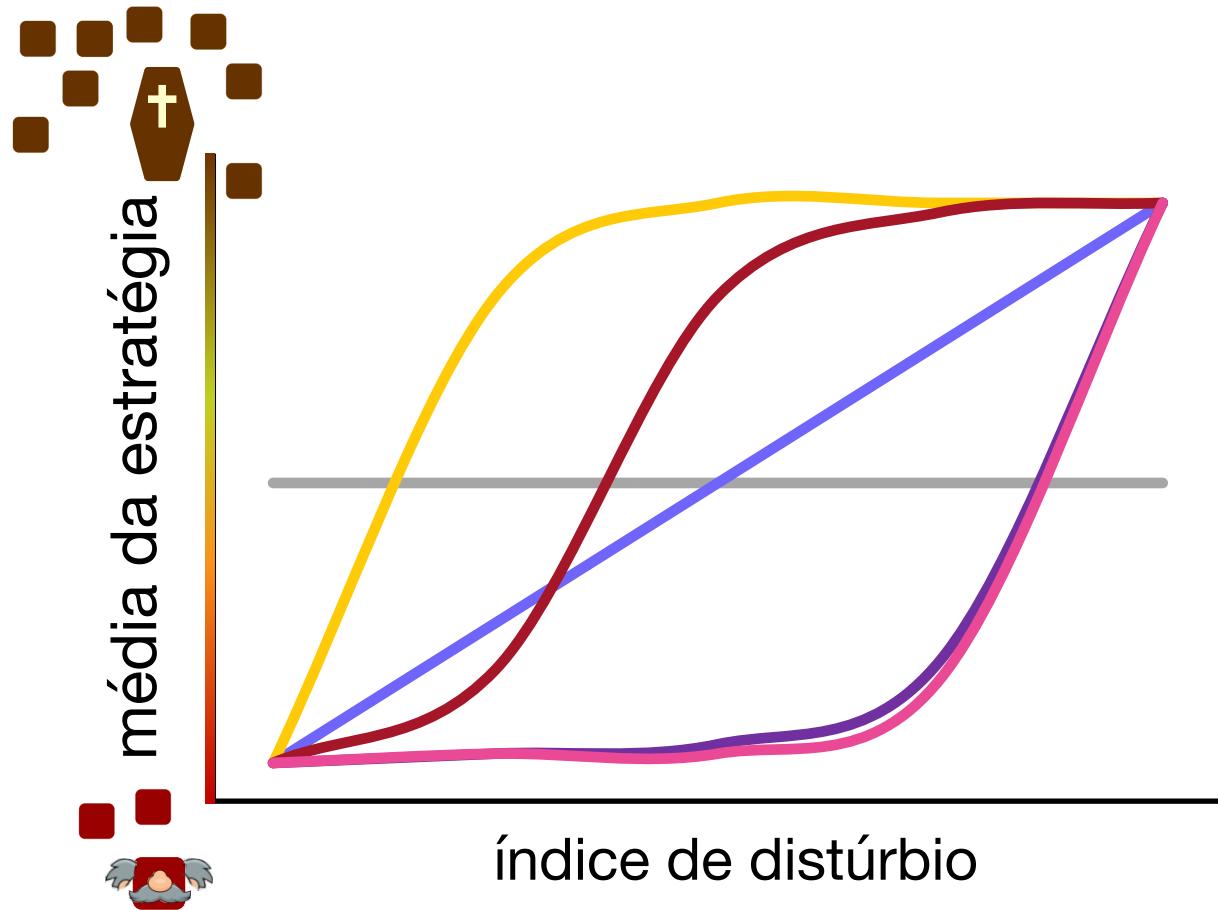
estratégia média ~ distúrbio



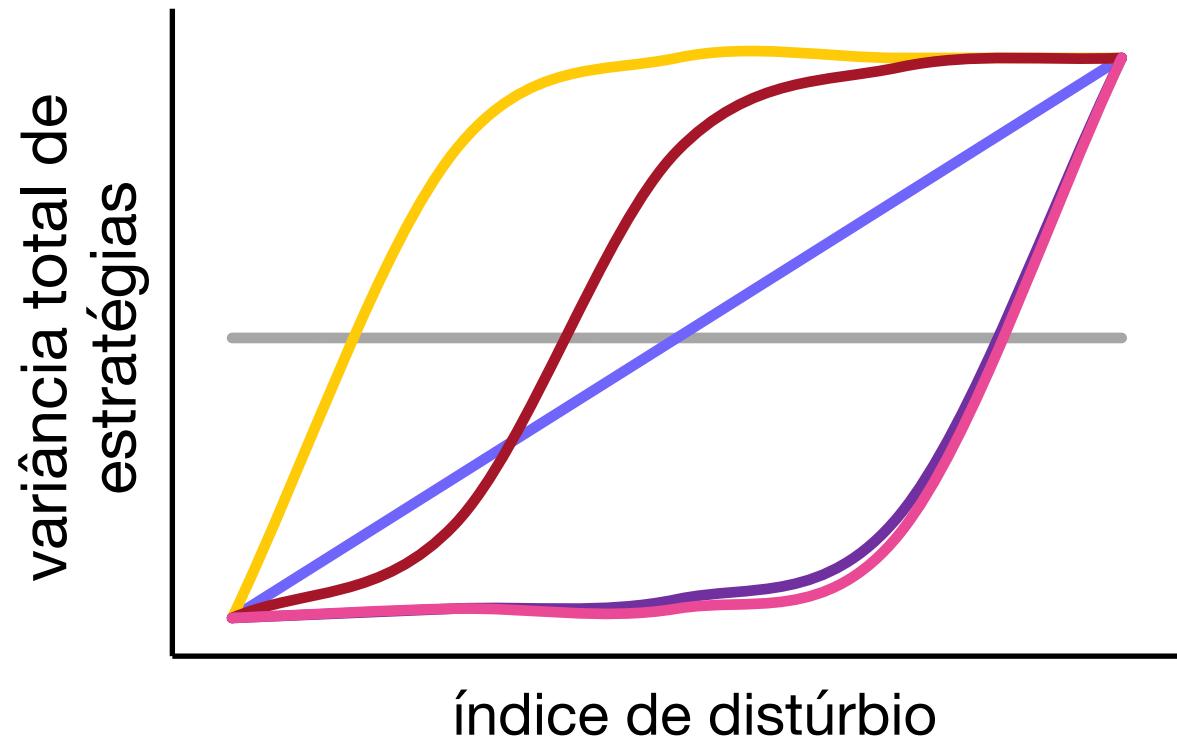
estratégia média ~ distúrbio



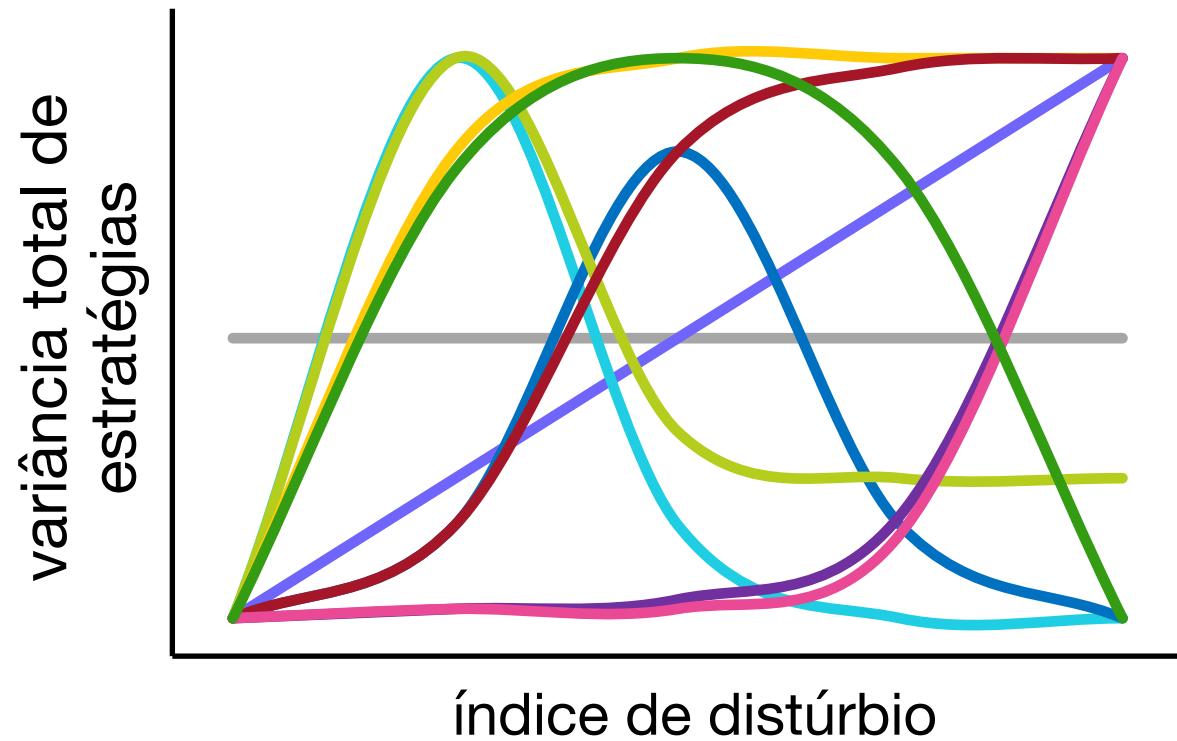
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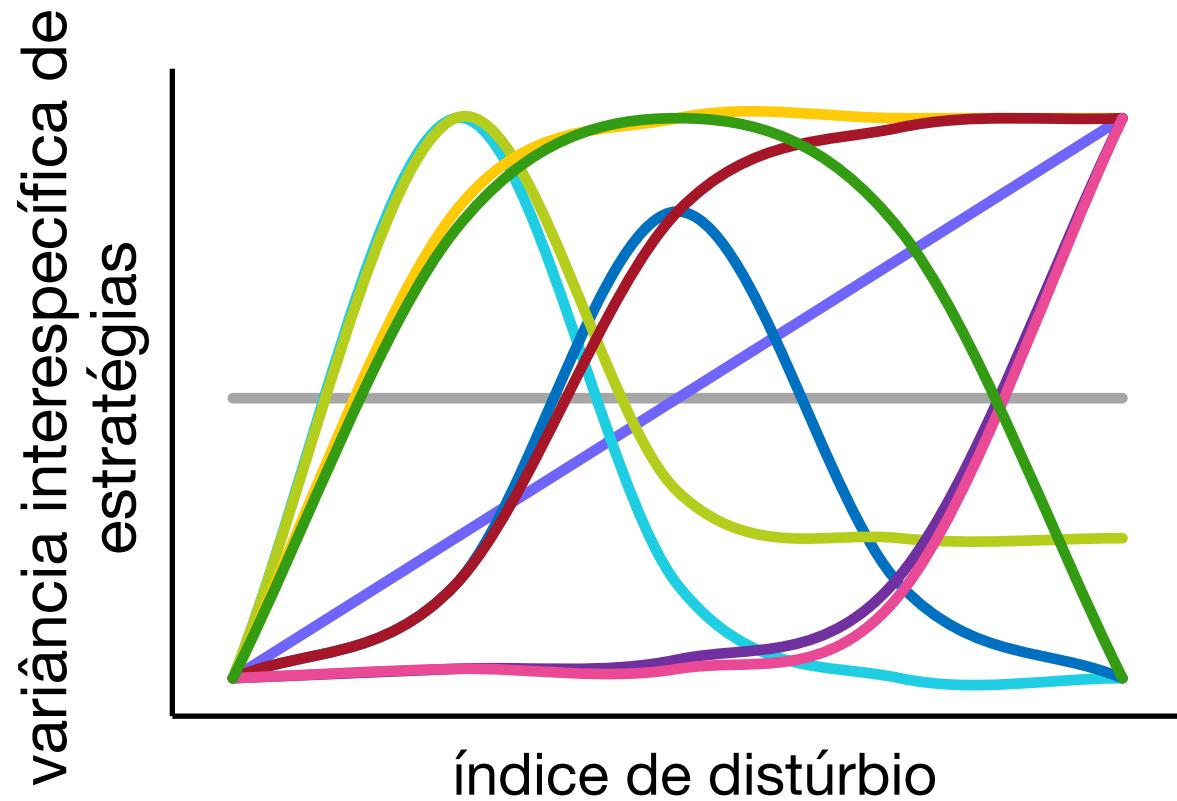
diversidade de estratégias ~ distúrbio



diversidade de estratégias ~ distúrbio



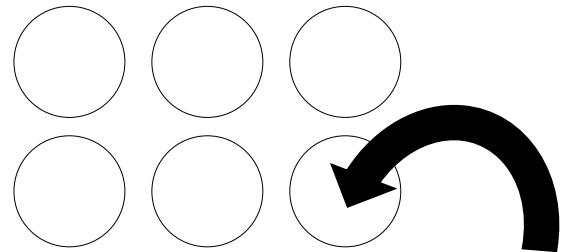
heterogeneidade interespecífica de ~ estratéгias distúrbio





seleção de modelos

evolutivo

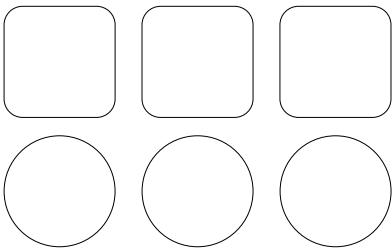


estratégia média

diversidade
de estratégias

-

ecológico

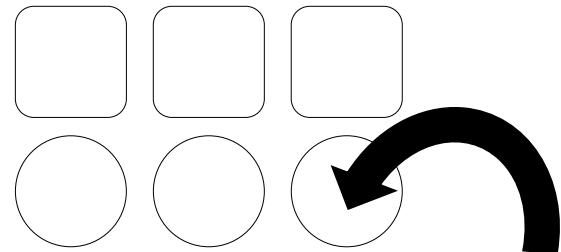


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de estratégias

heterogeneidade
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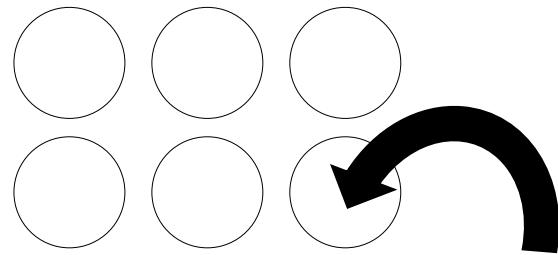


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diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

evolutivo

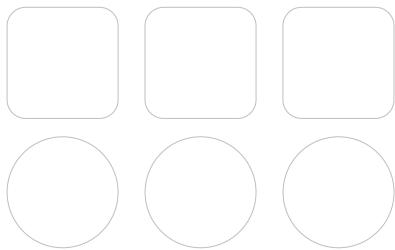


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diversidade
de estratégias

-

ecológico

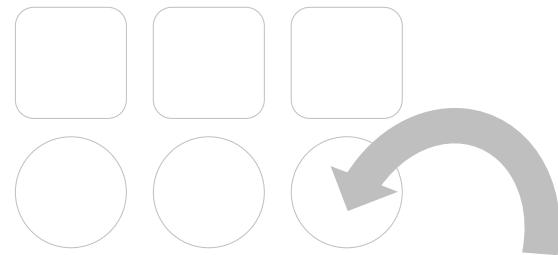


estratégia média

diversidade
de estratégias

heterogeneidade
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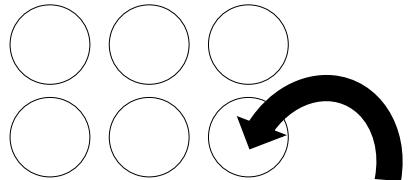


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diversidade
de estratégias

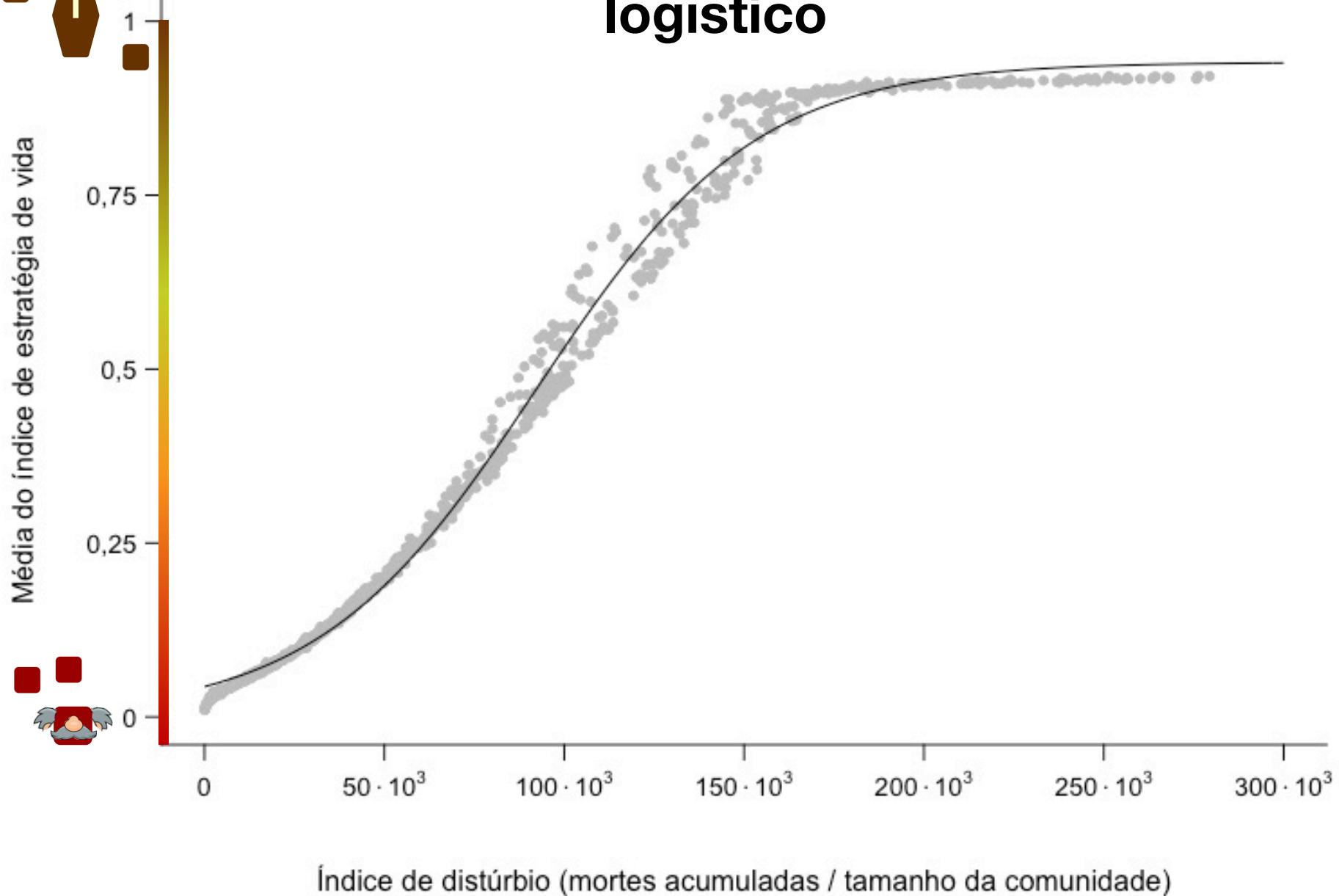
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interespecífica de
estratégias

estratégia média



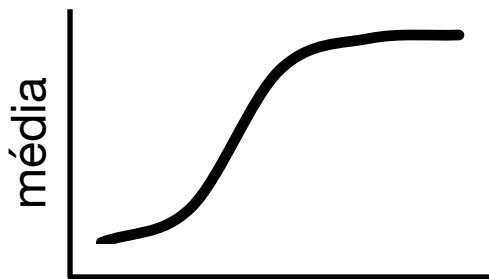
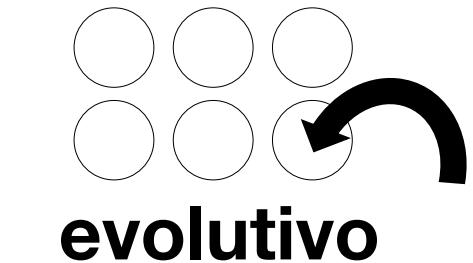
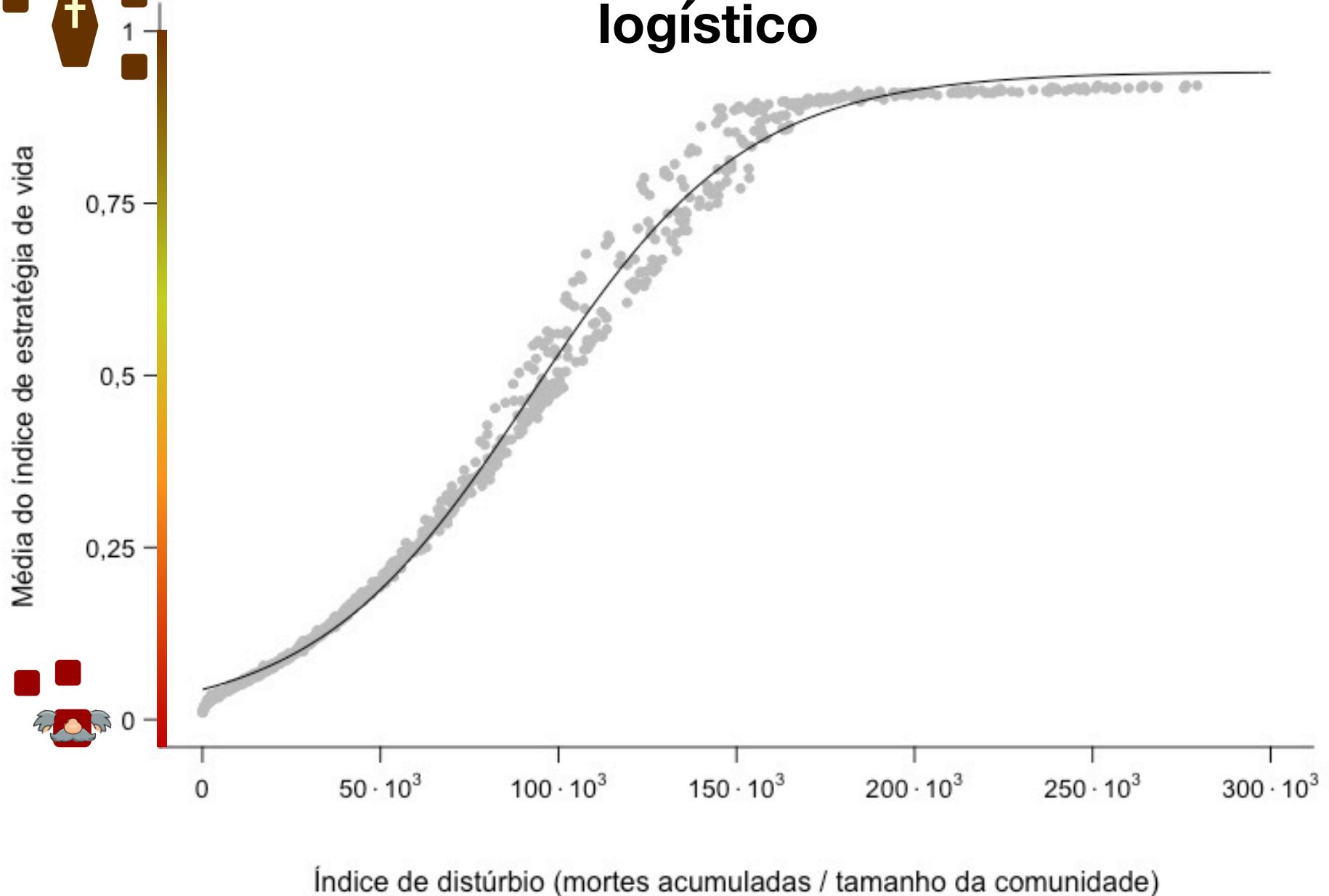
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estratégia média logístico



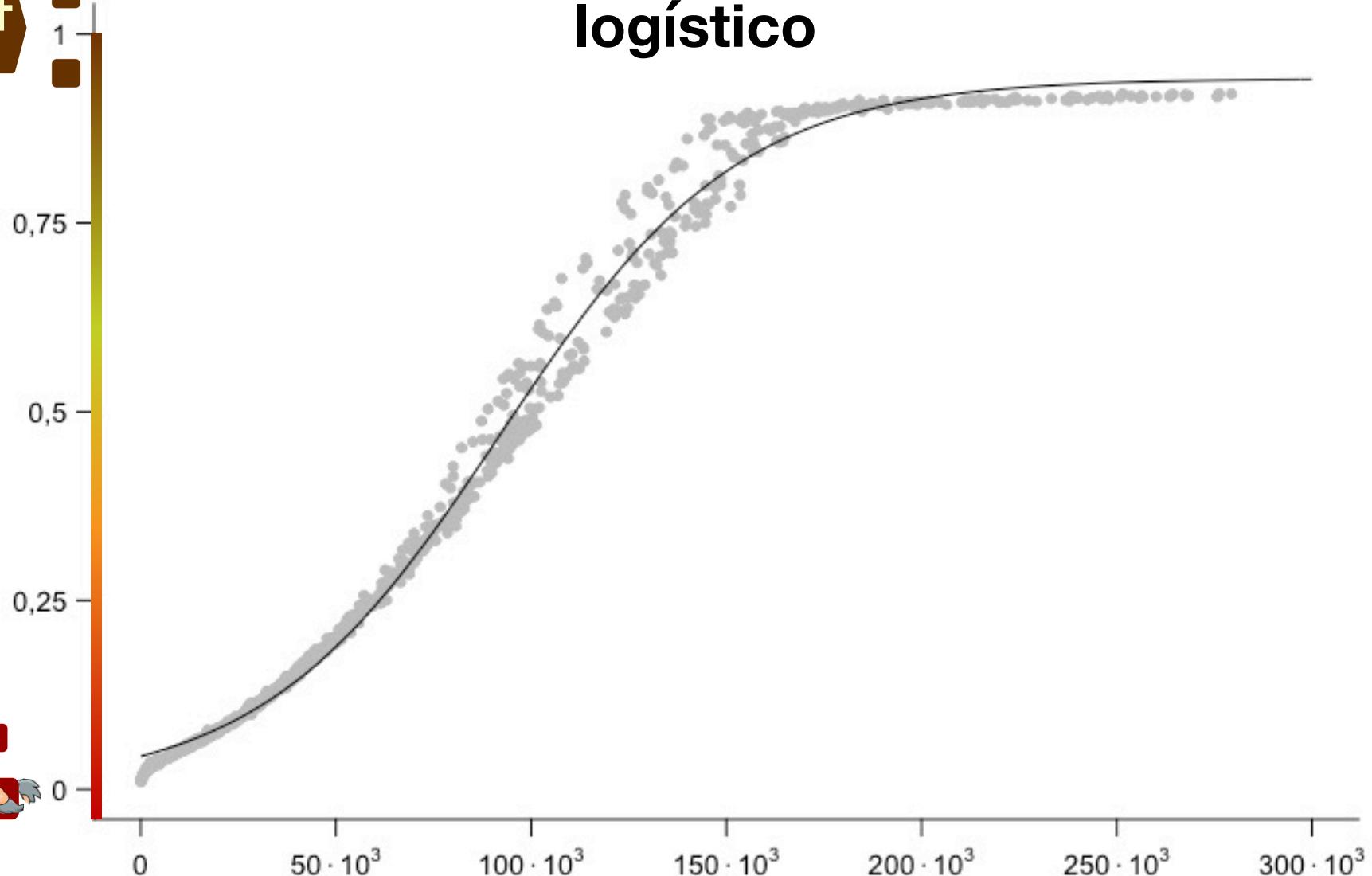
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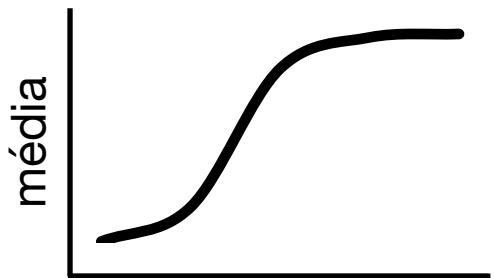


estratégia média logístico

Média do índice de estratégia de vida

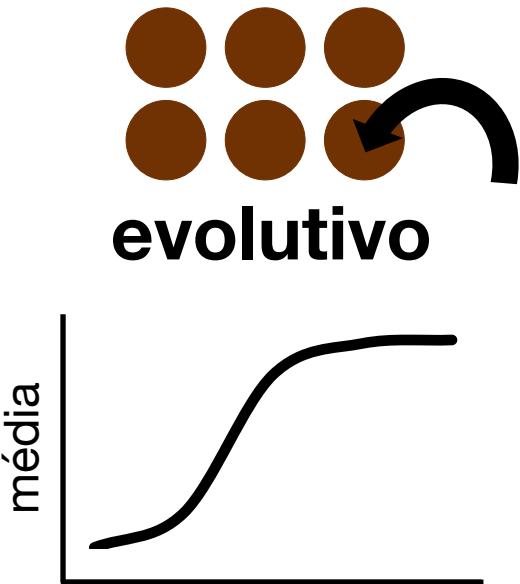


Índice de distúrbio (mortes acumuladas / tamanho da comunidade)



seleção natural

- variação herdável
- componente da aptidão



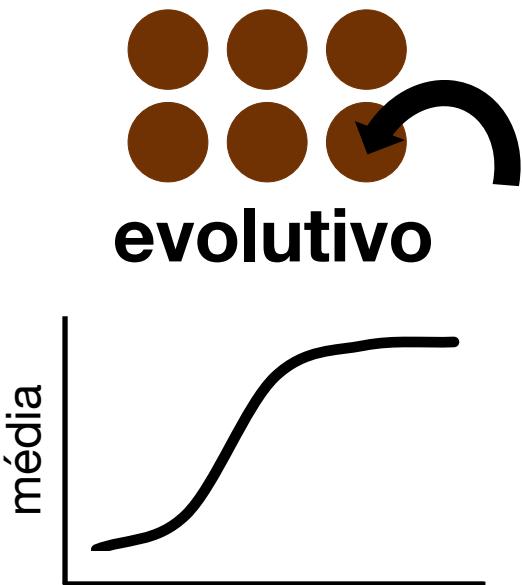
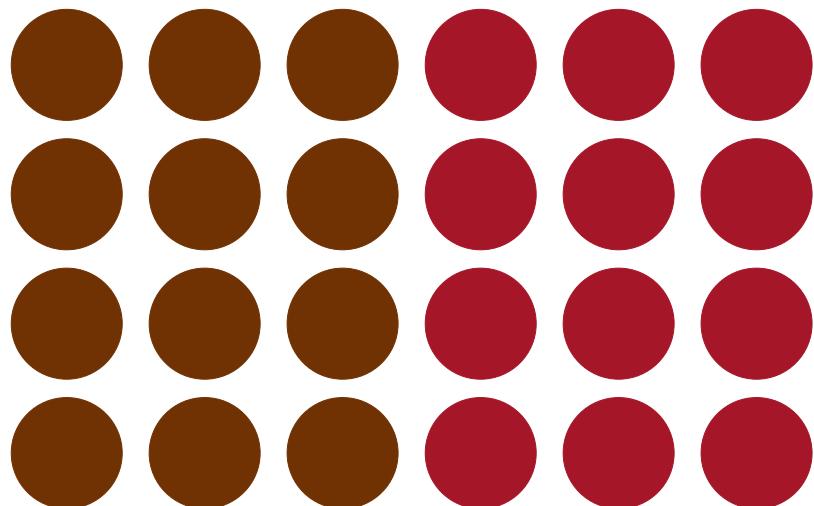
seleção natural

- variação herdável
- componente da aptidão

banco

x 96

x 24



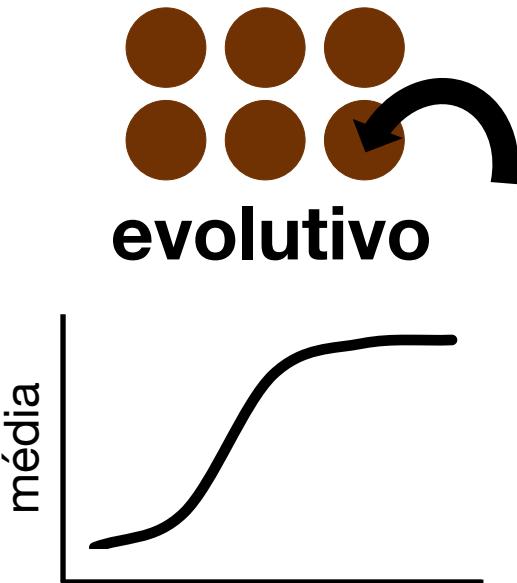
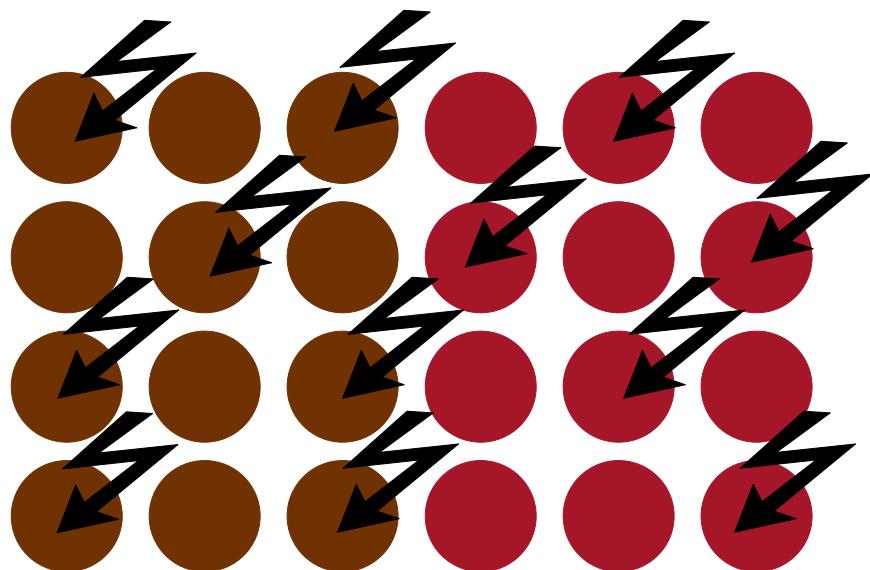
seleção natural

- variação herdável
- componente da aptidão

banco

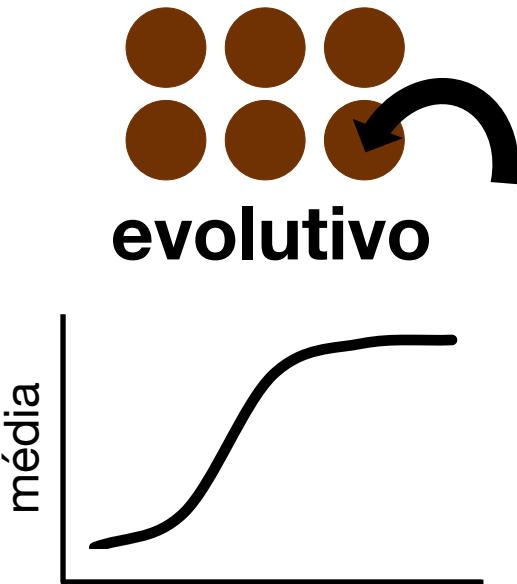
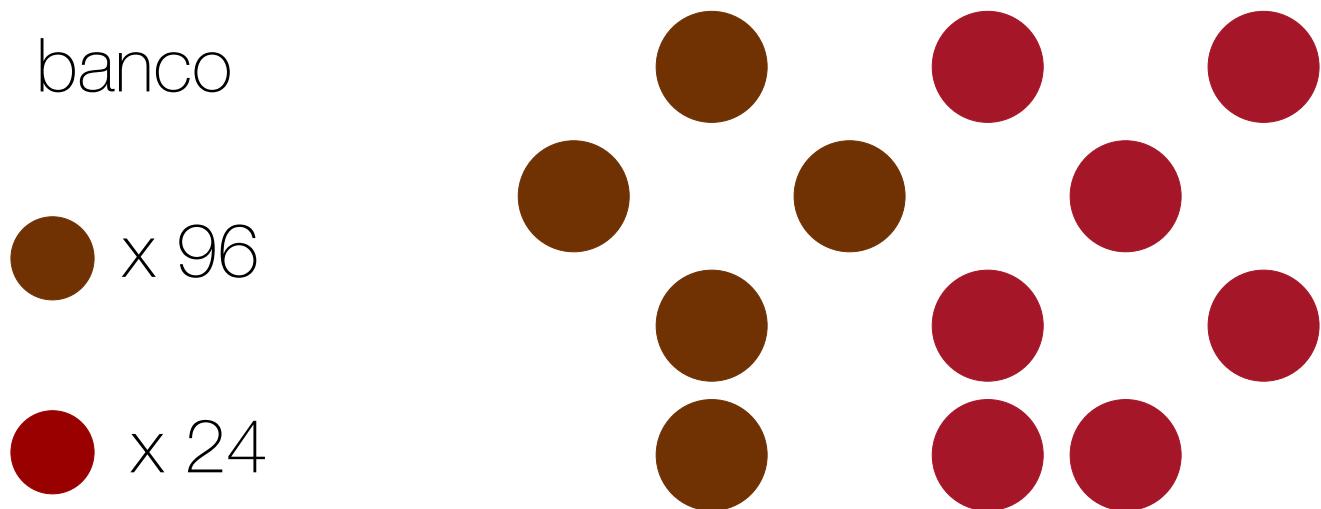
● x 96

● x 24

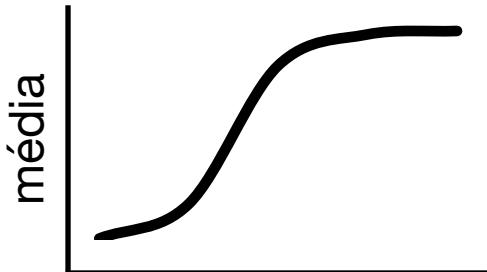


seleção natural

- variação herdável
- componente da aptidão

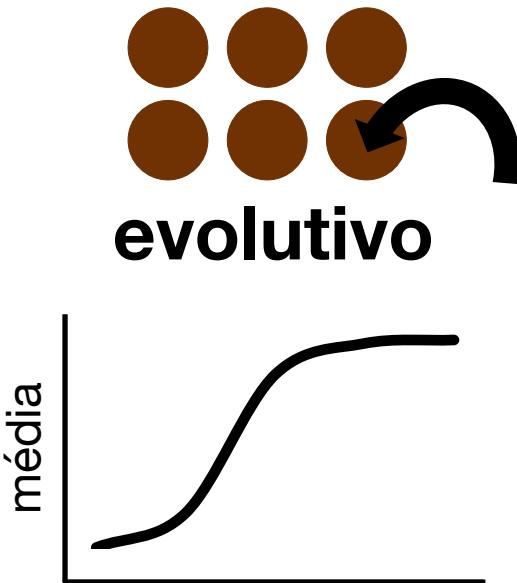
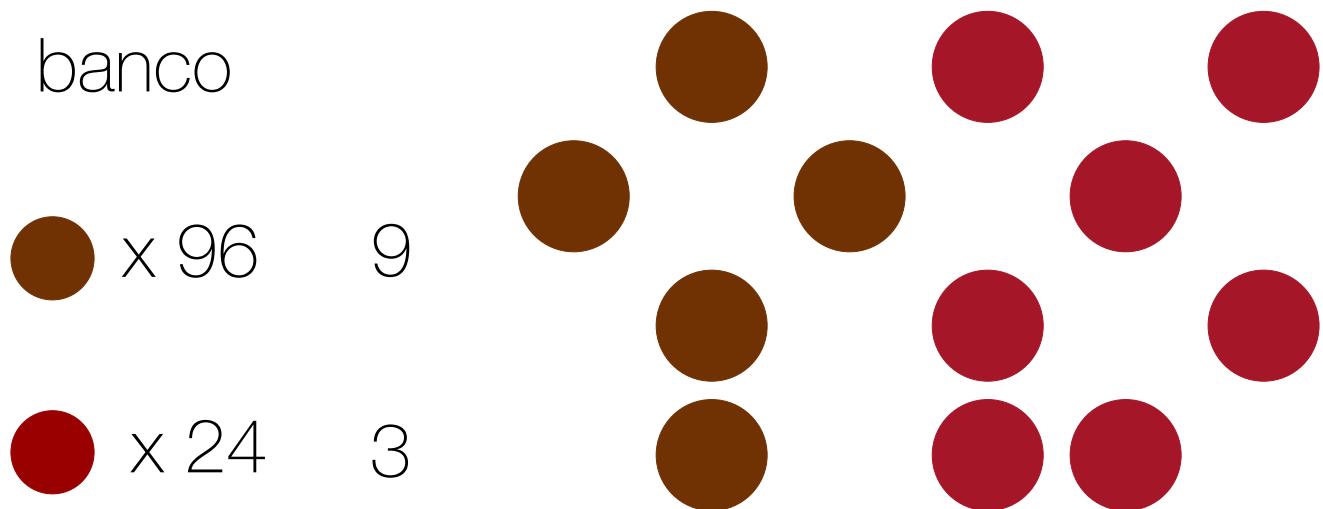


evolutivo



seleção natural

- variação herdável
- componente da aptidão



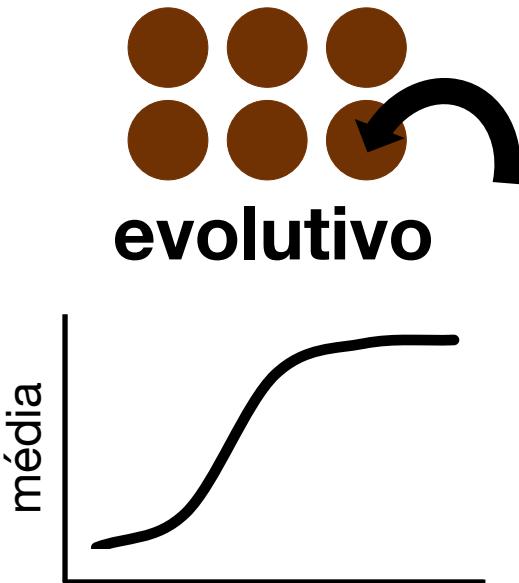
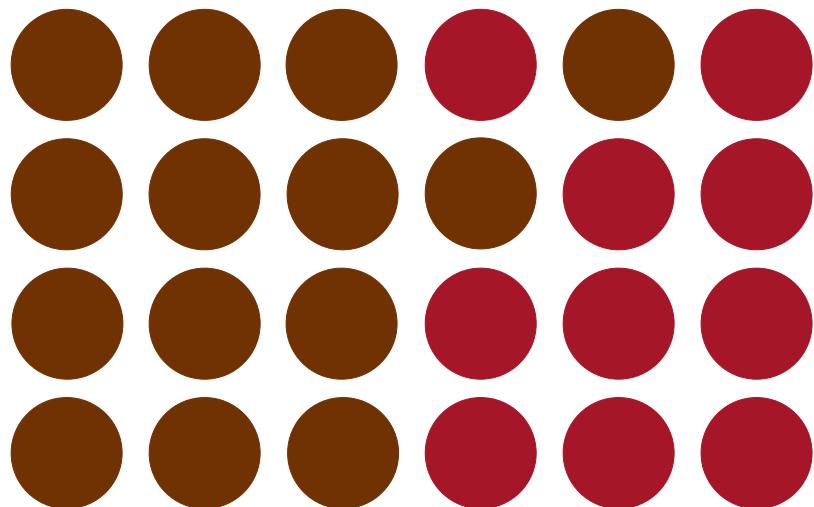
seleção natural

- variação herdável
- componente da aptidão

banco

x 112

x 20



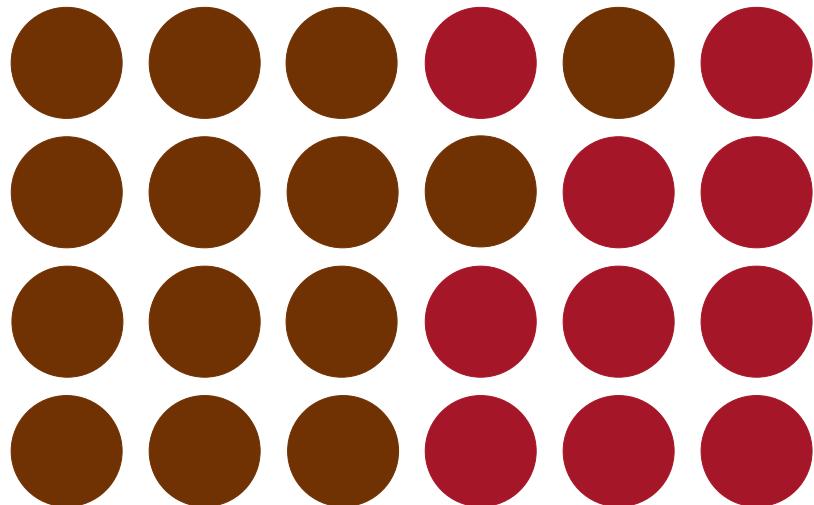
seleção natural

- variação herdável
- componente da aptidão

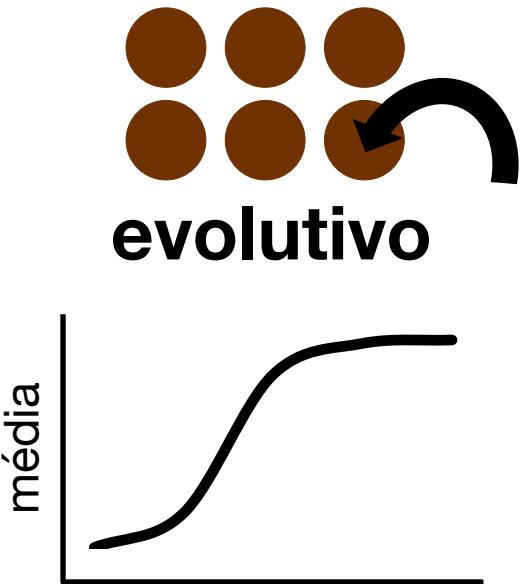
banco

x 112

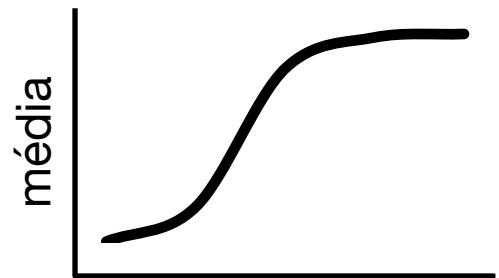
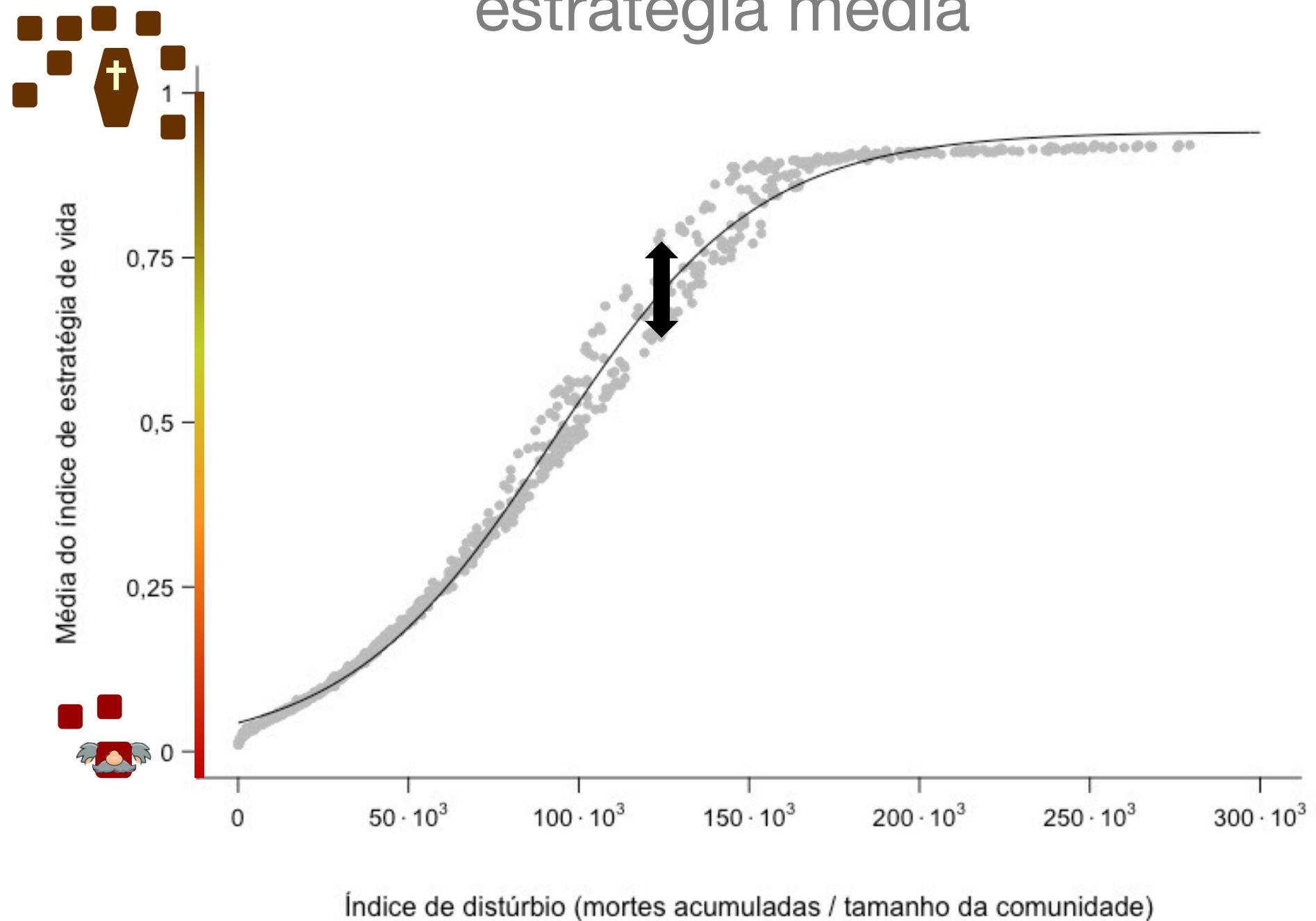
x 20



estratégia de maior fecundidade mais apta

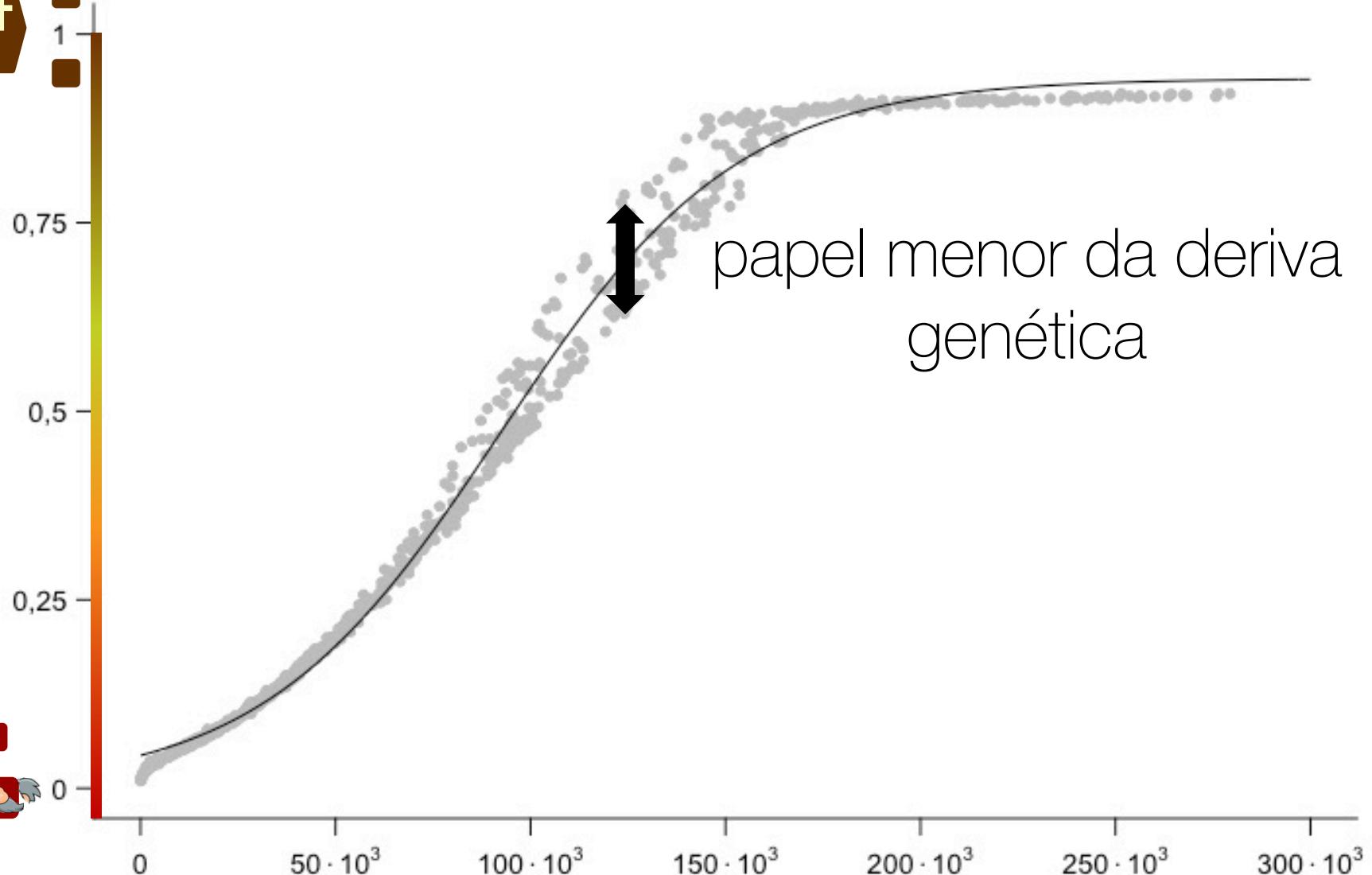


estratégia média

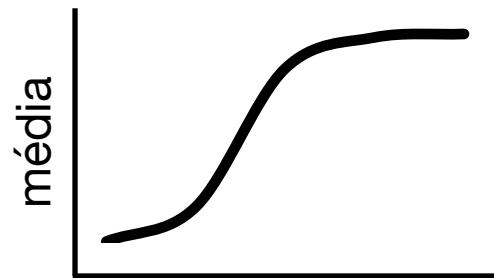


estratégia média

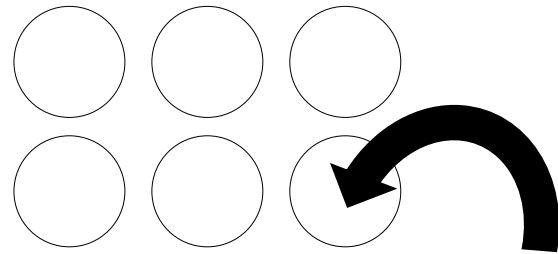
Média do índice de estratégia de vida



Índice de distúrbio (mortes acumuladas / tamanho da comunidade)



evolutivo

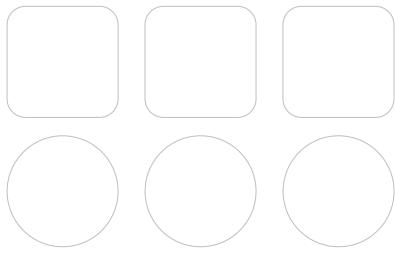


estratégia média

diversidade
de estratégias

-

ecológico

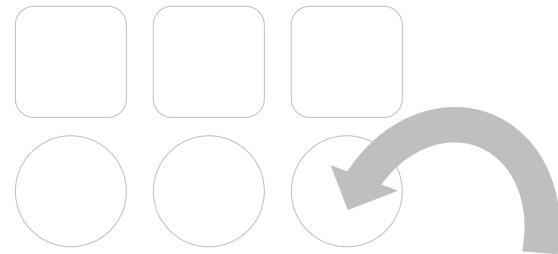


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

eco-evolutivo

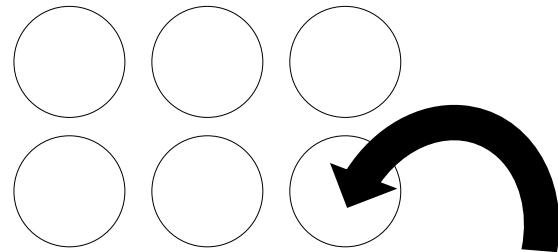


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

evolutivo

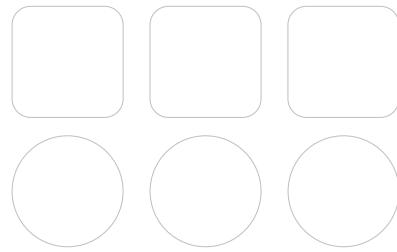


estratégia média

diversidade
de estratégias

-

ecológico

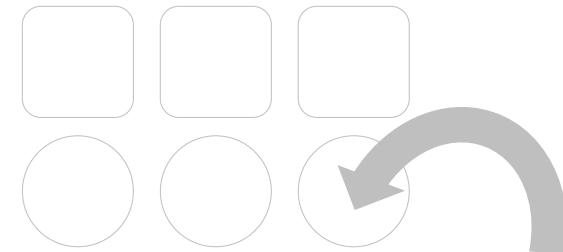


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

eco-evolutivo



estratégia média

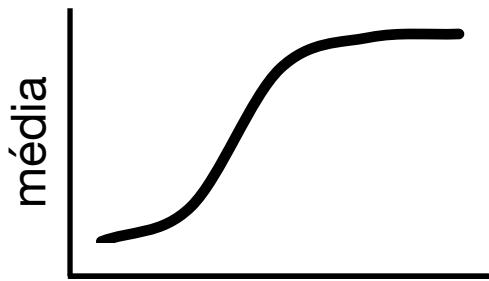
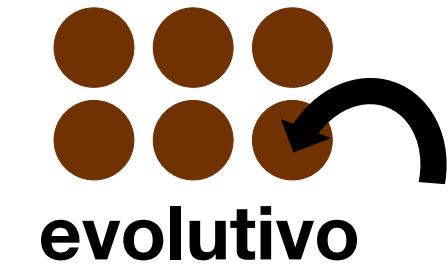
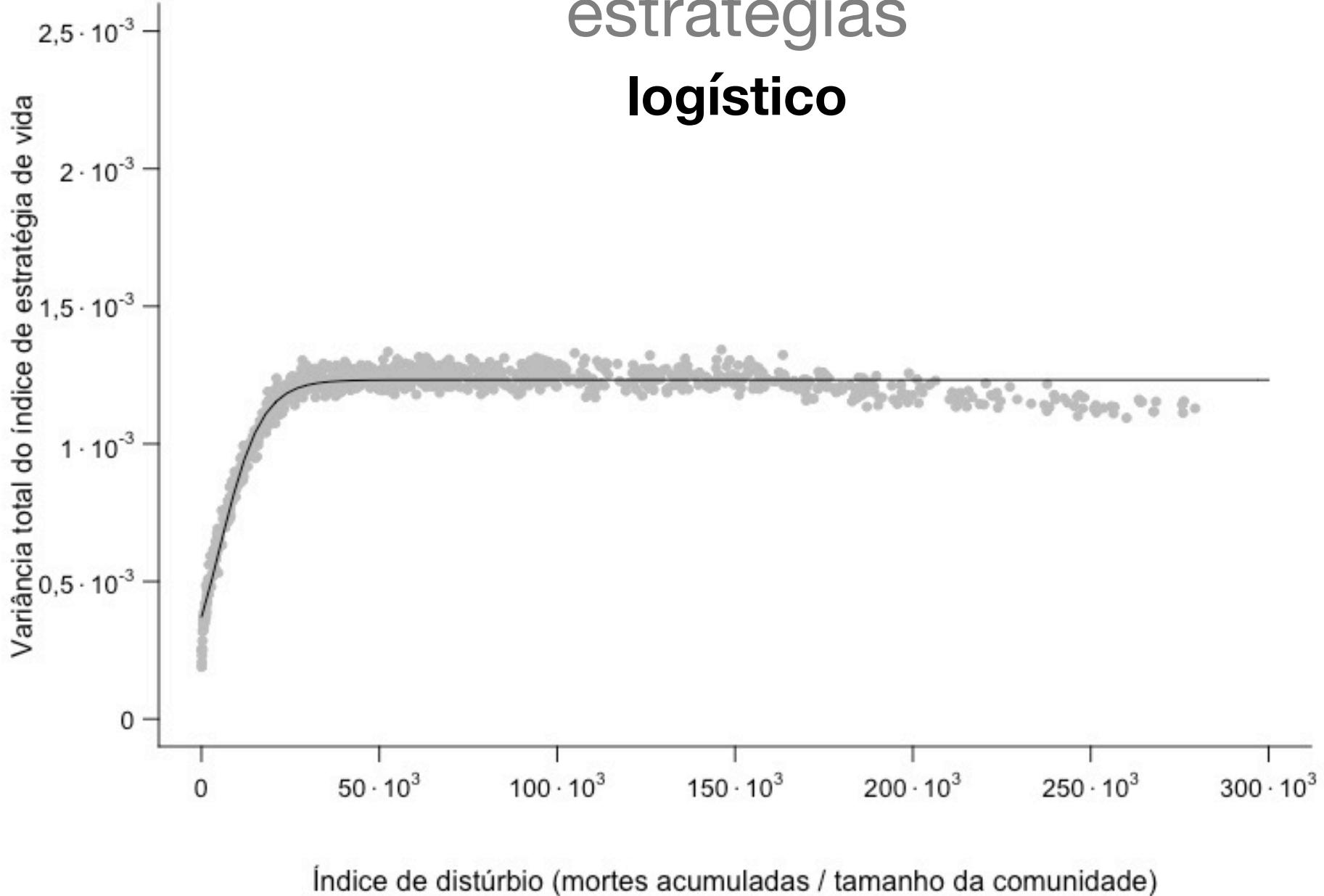
diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

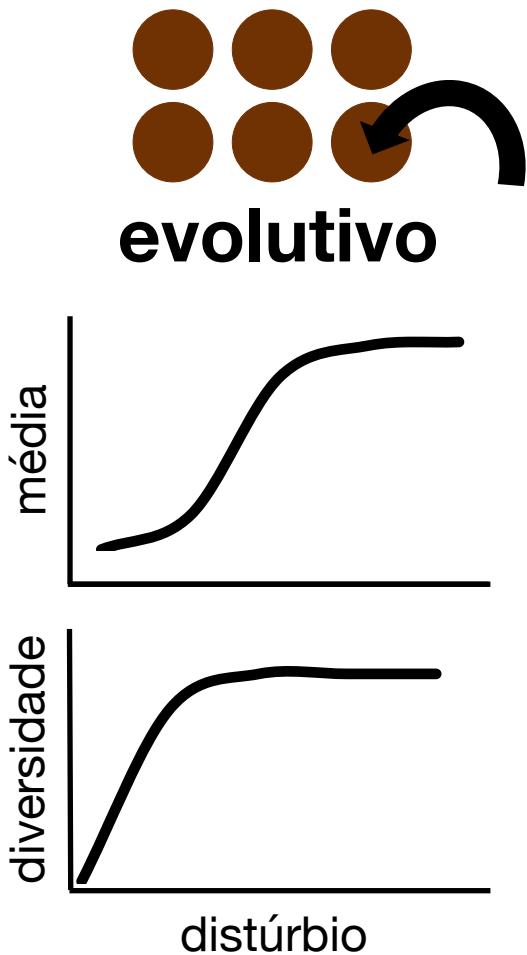
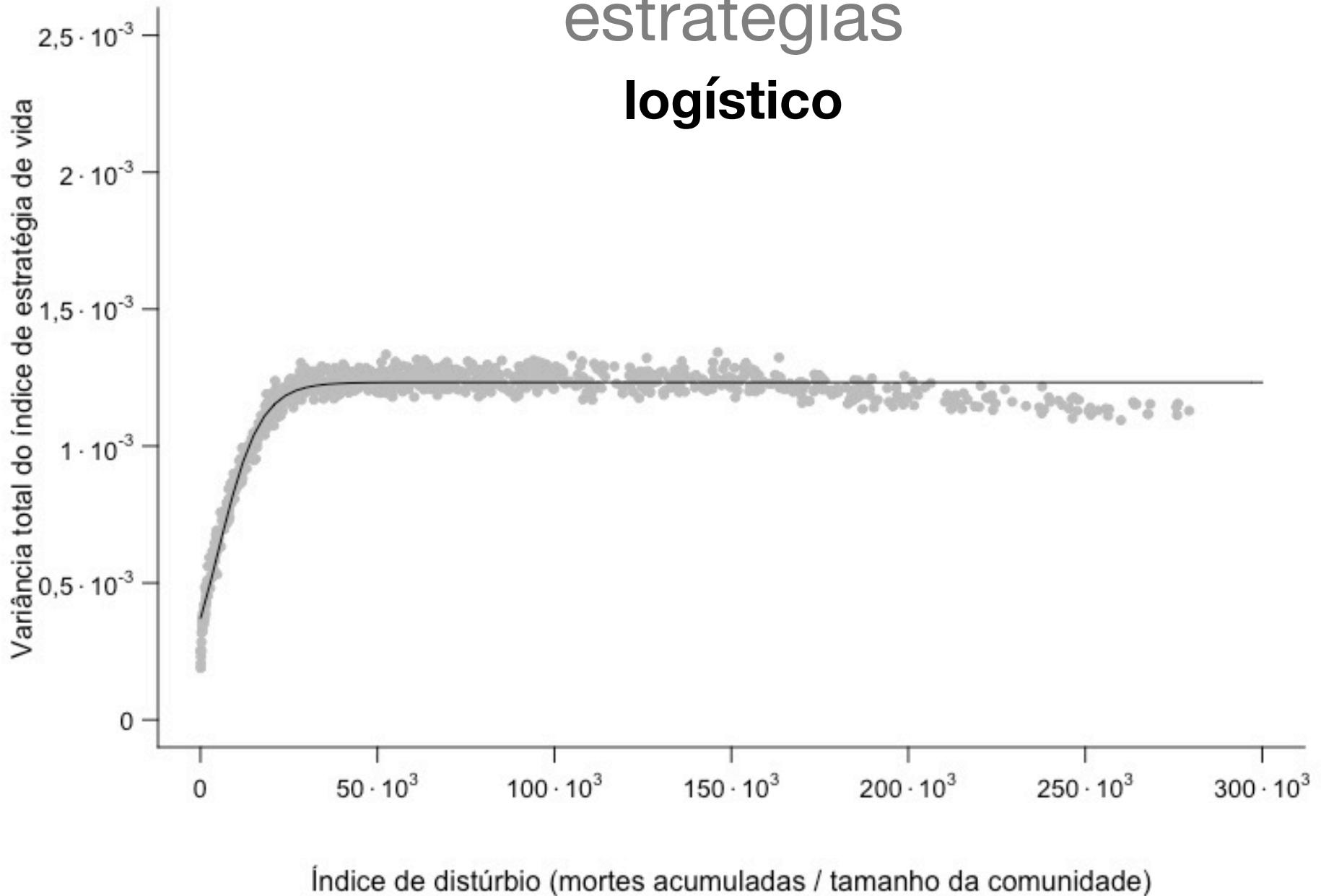
diversidade de estratégias



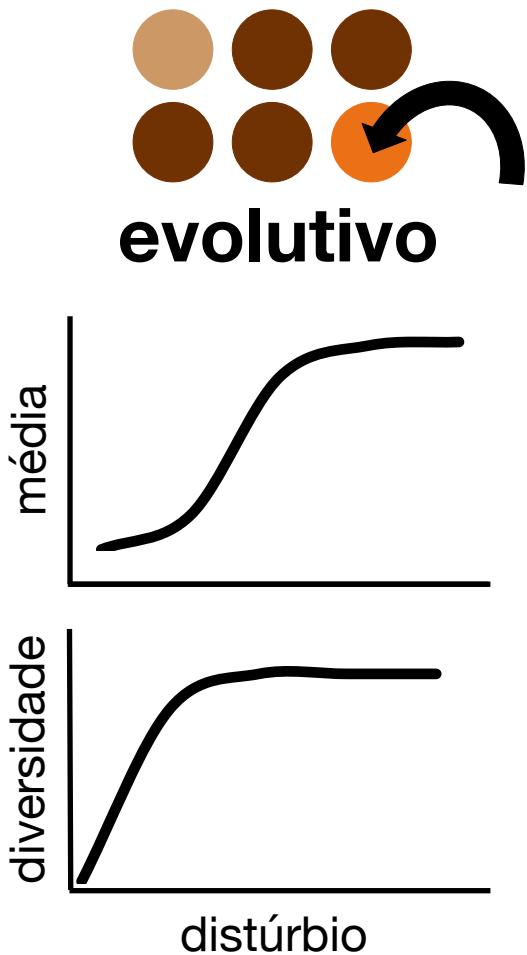
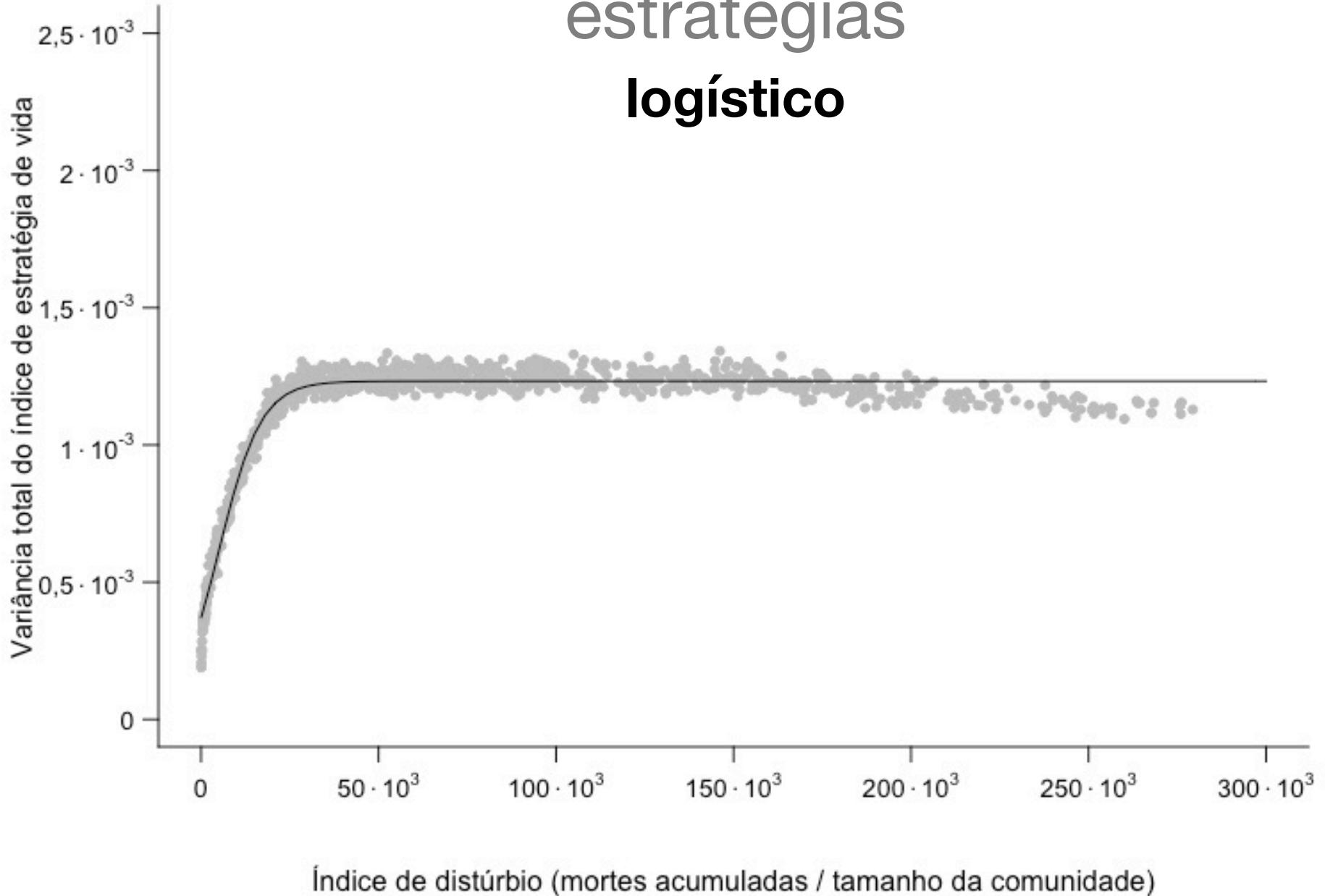
diversidade de estratégias **logístico**



diversidade de estratégias **logístico**



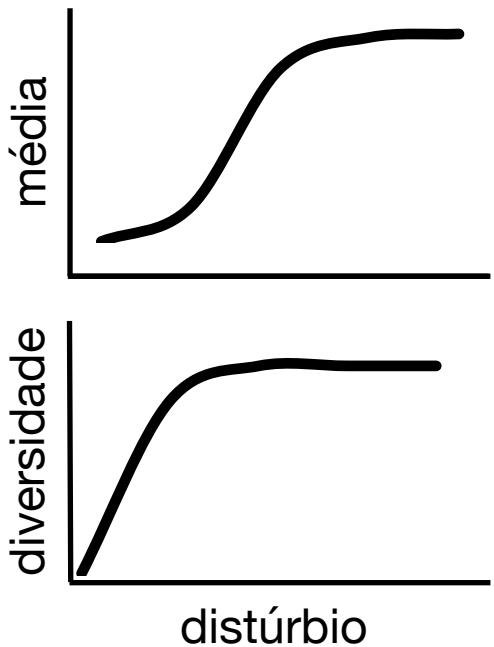
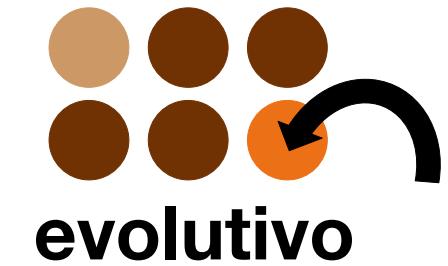
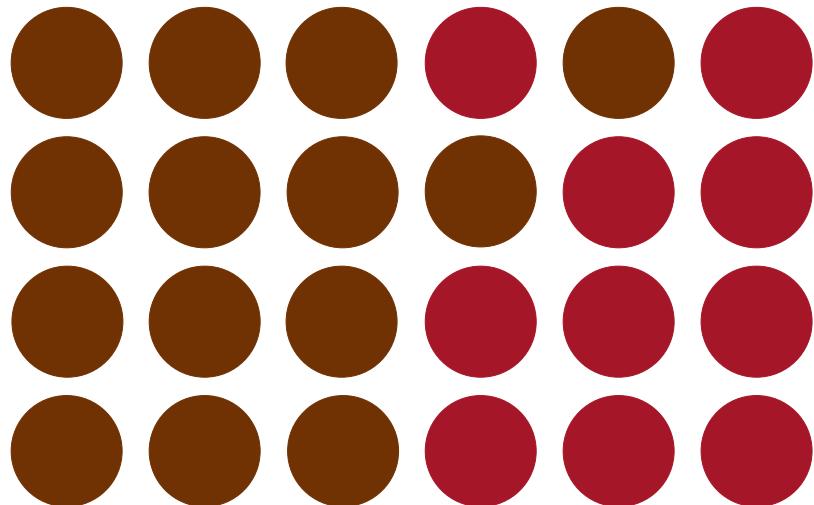
diversidade de estratégias **logístico**



banco

● x 112

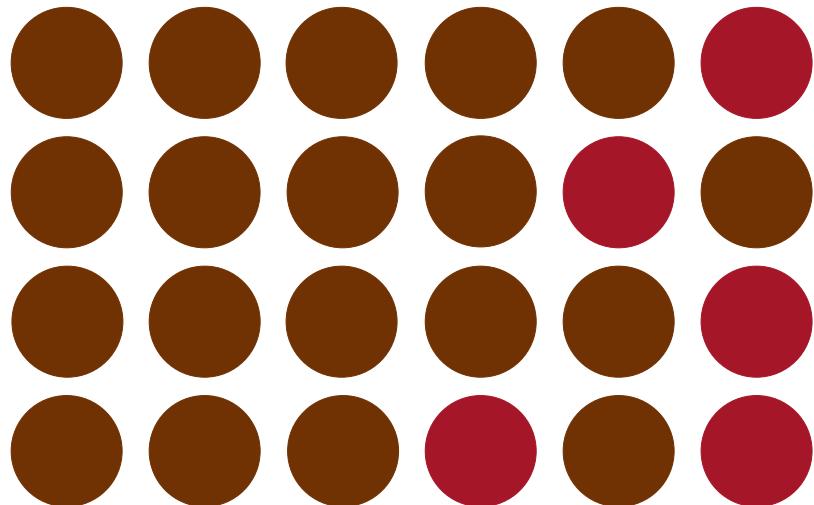
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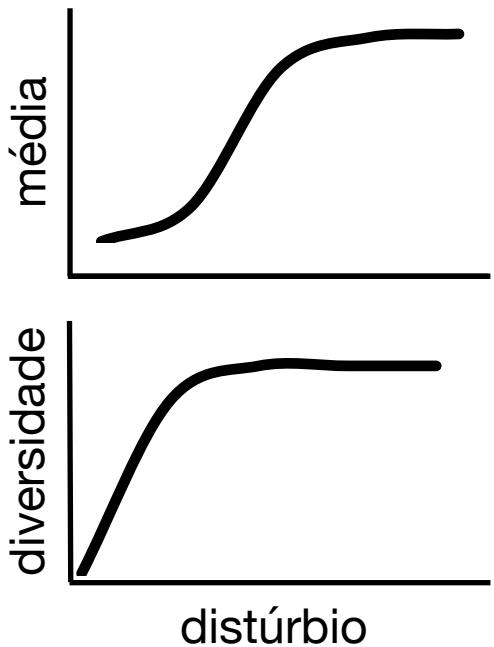
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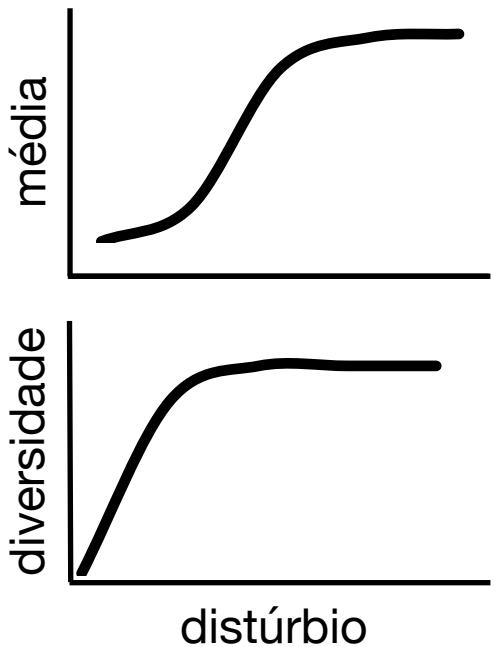
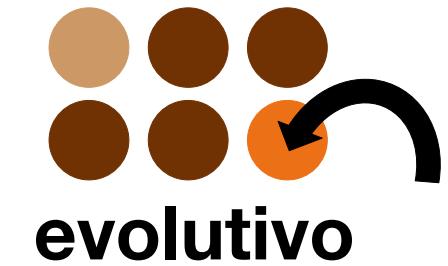
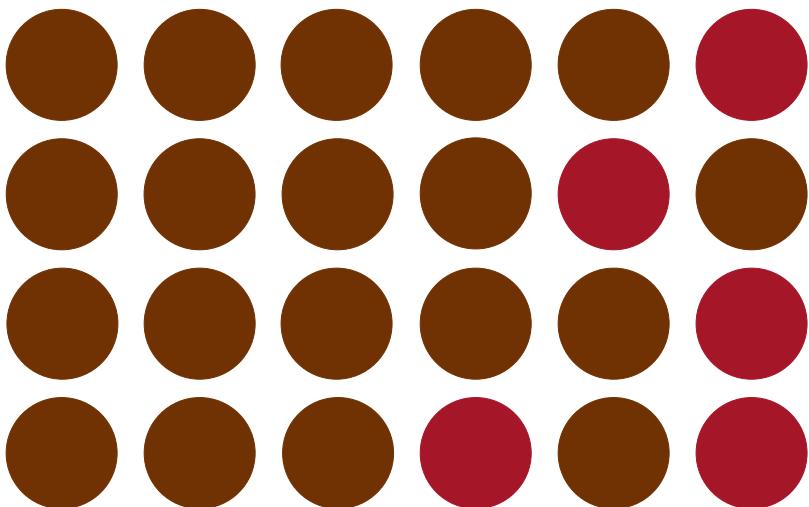
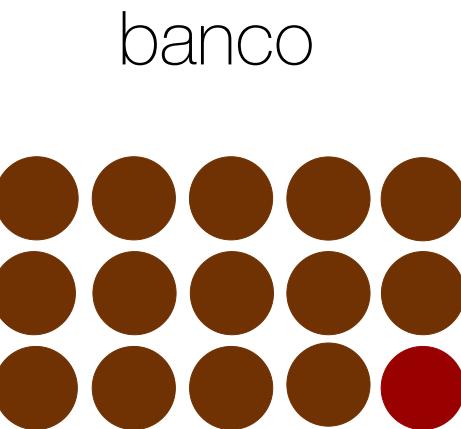
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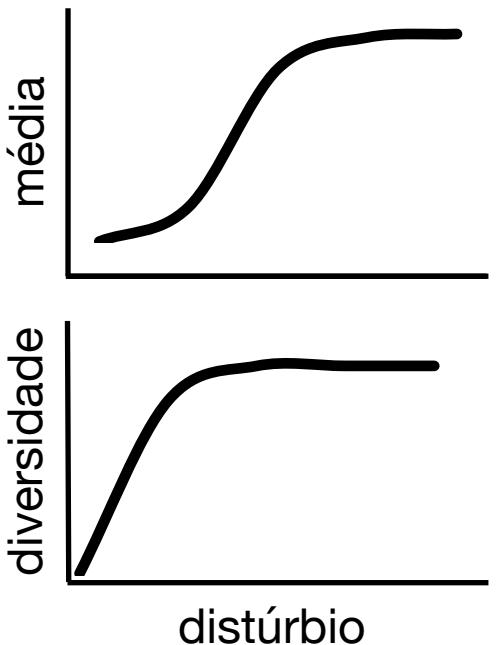
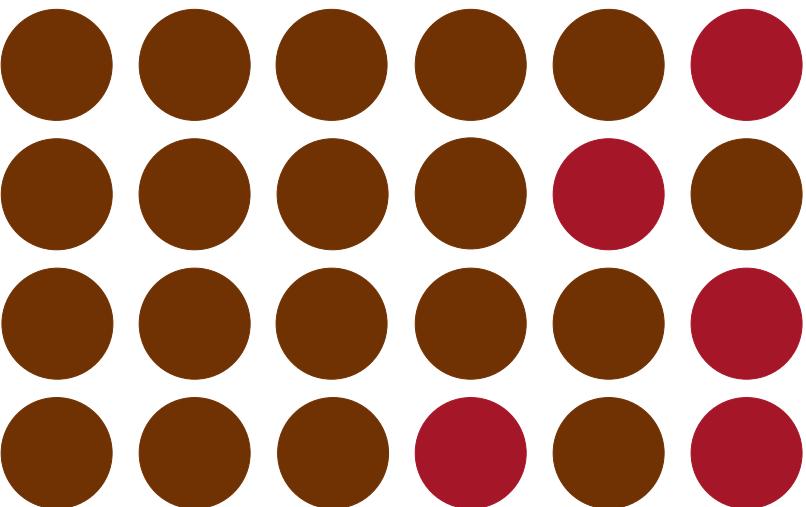
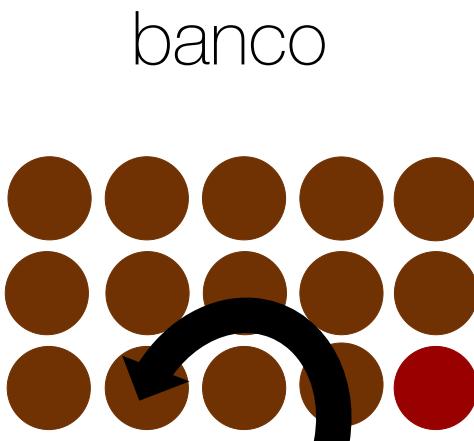


evolutivo



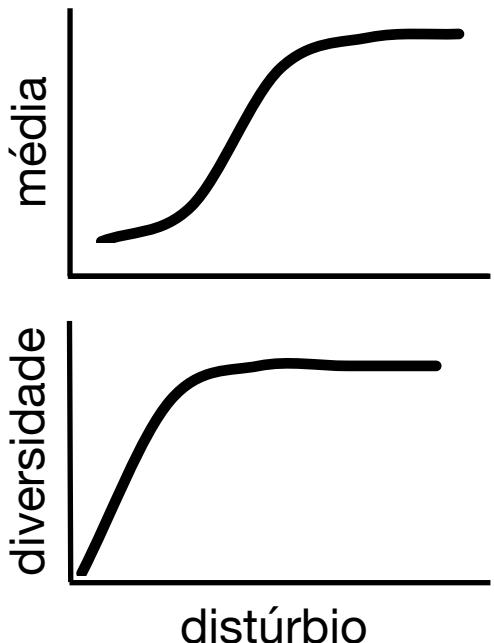
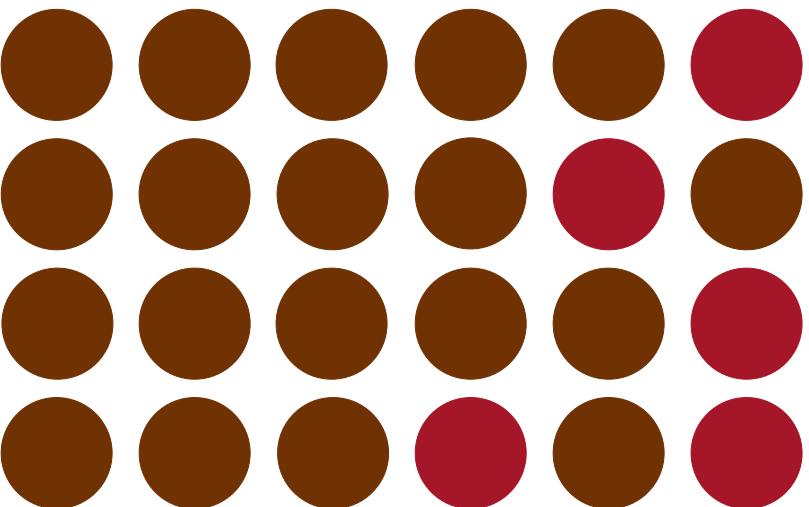
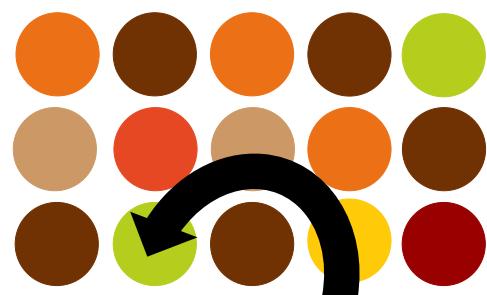


mutação



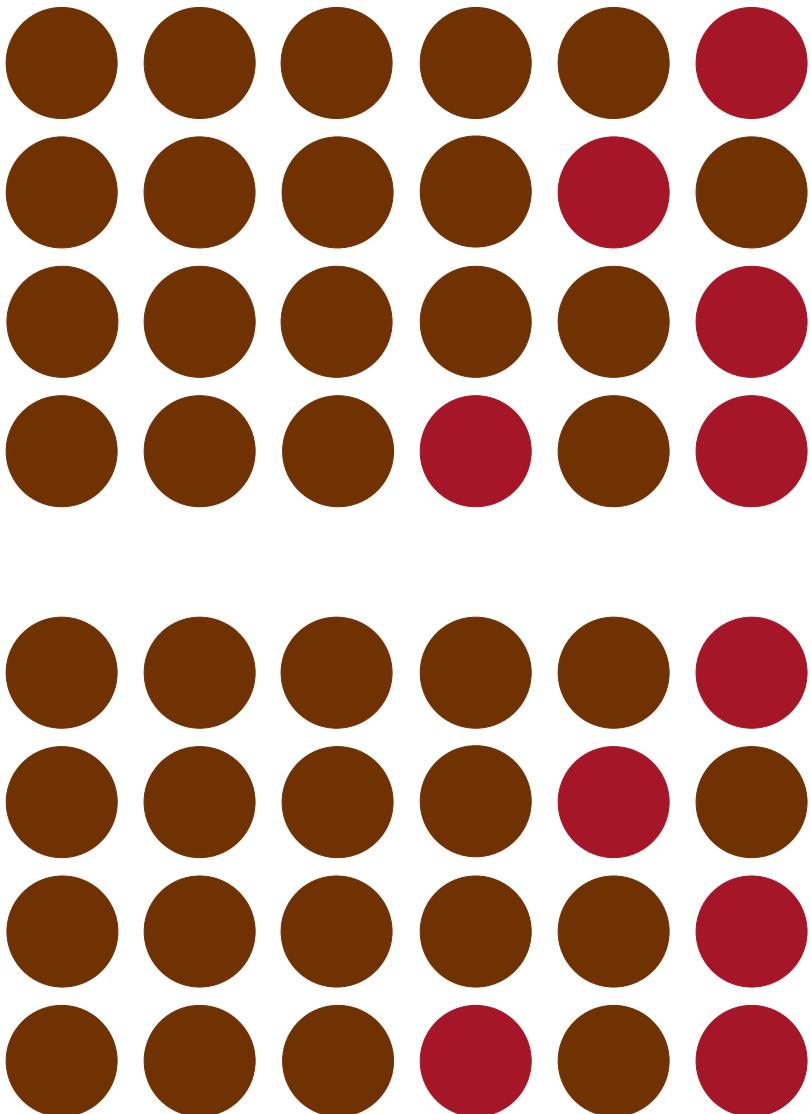
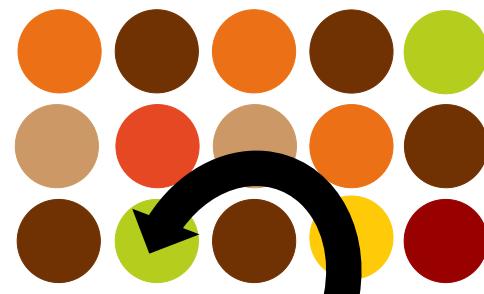
mutação

banco



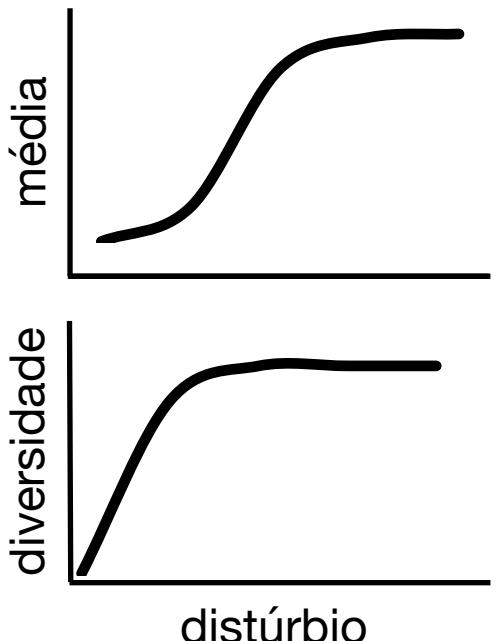
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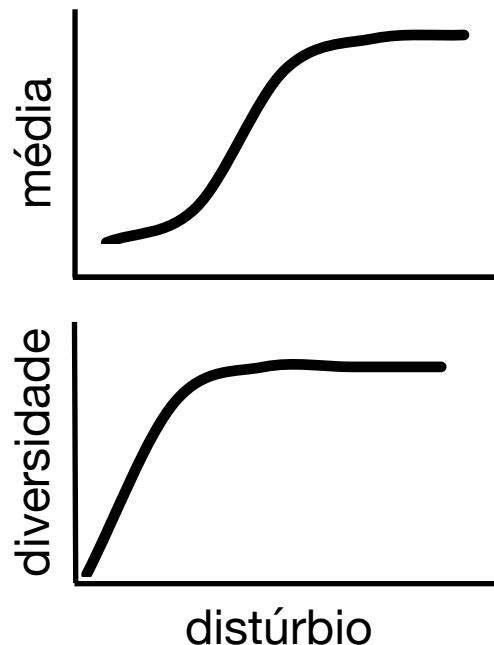
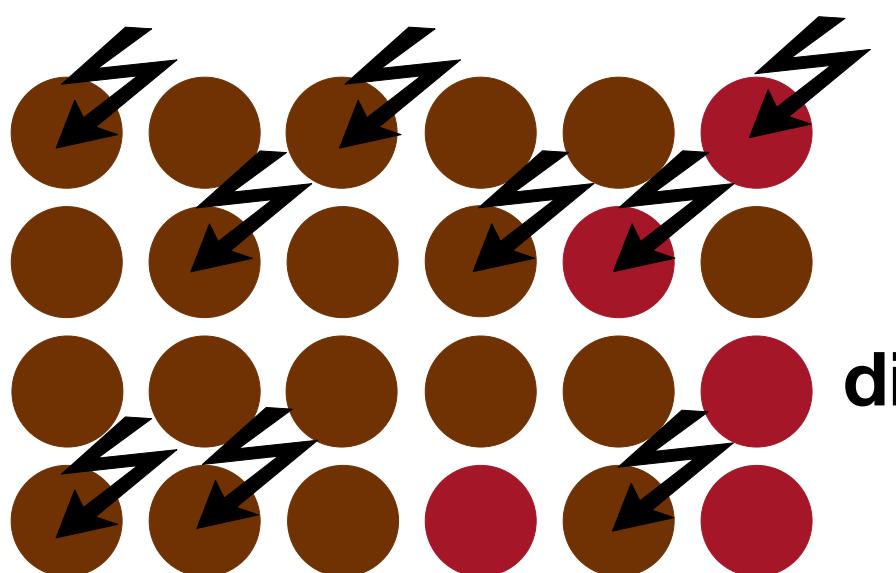
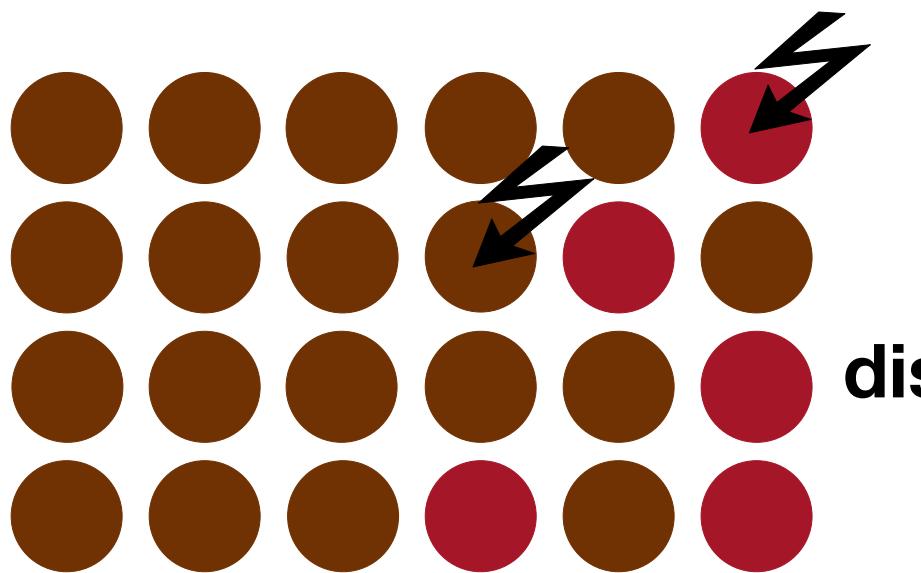


distúrbio

distúrbio

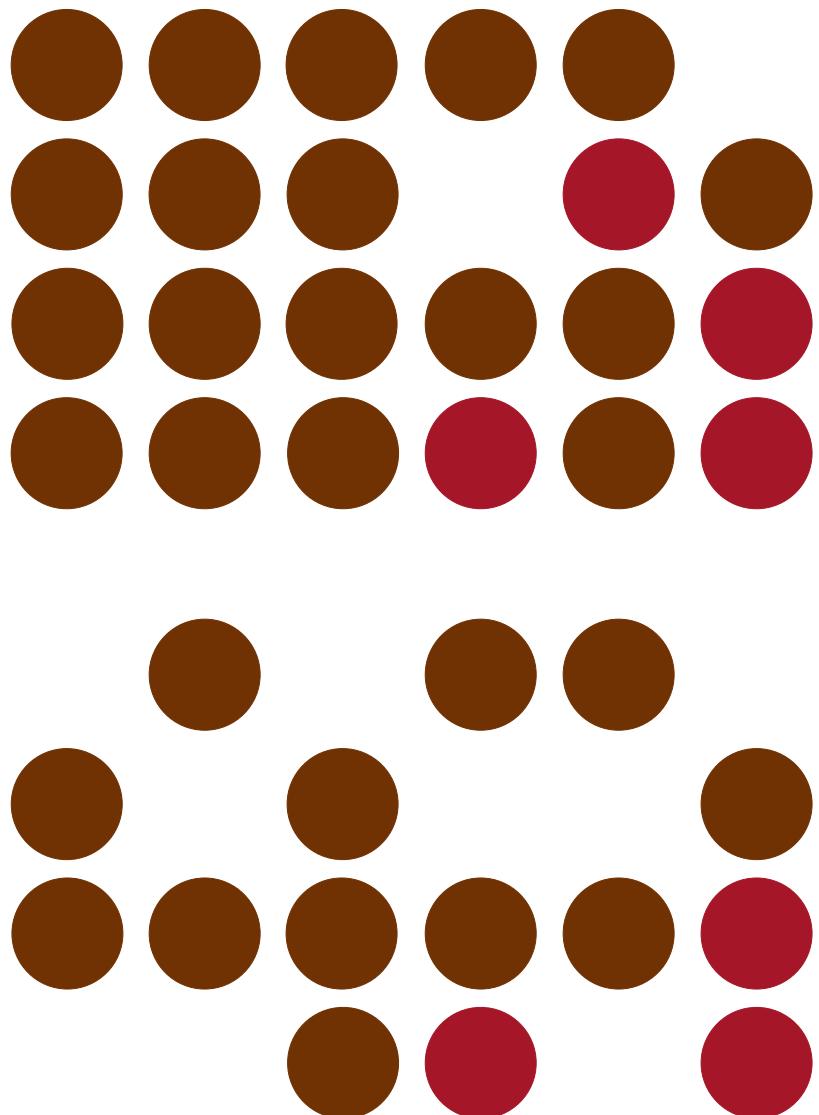
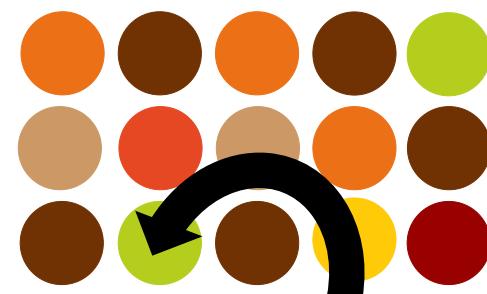


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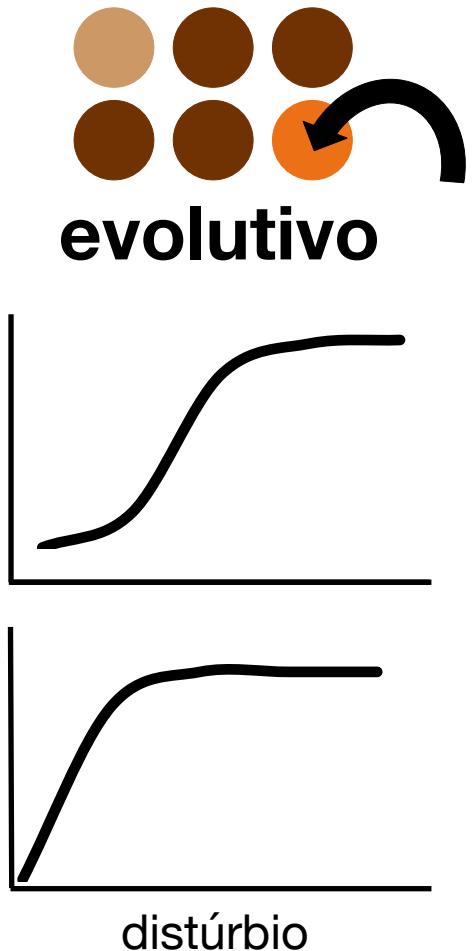
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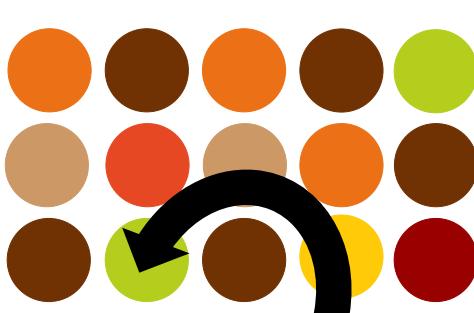


distúrbio

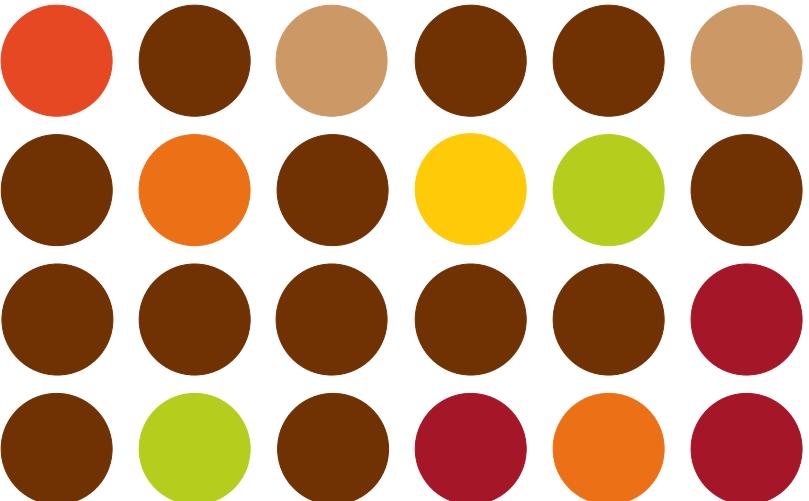
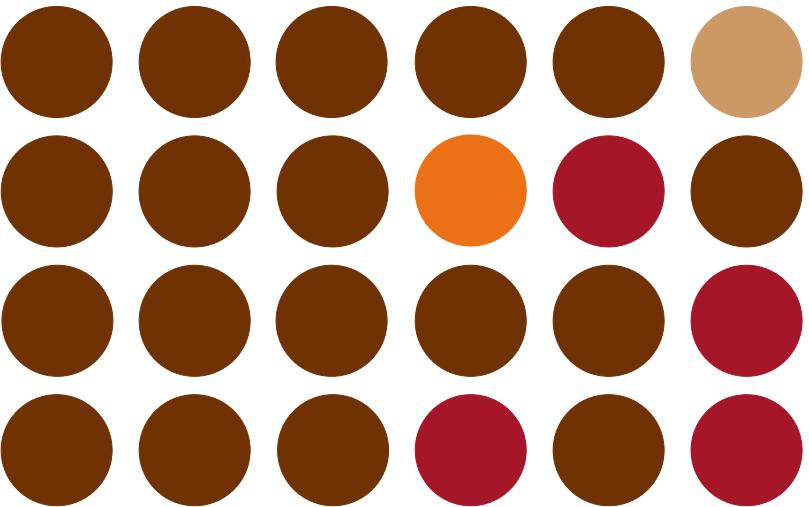
distúrbio



mutação + amostragem

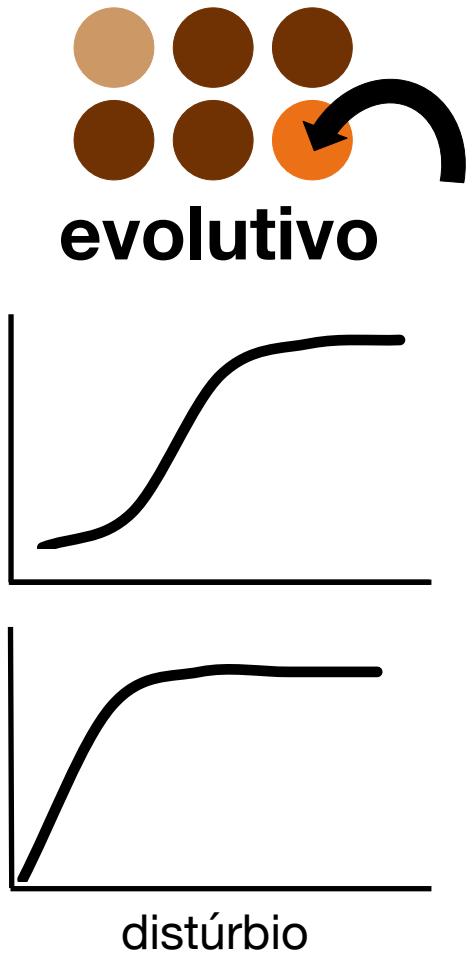


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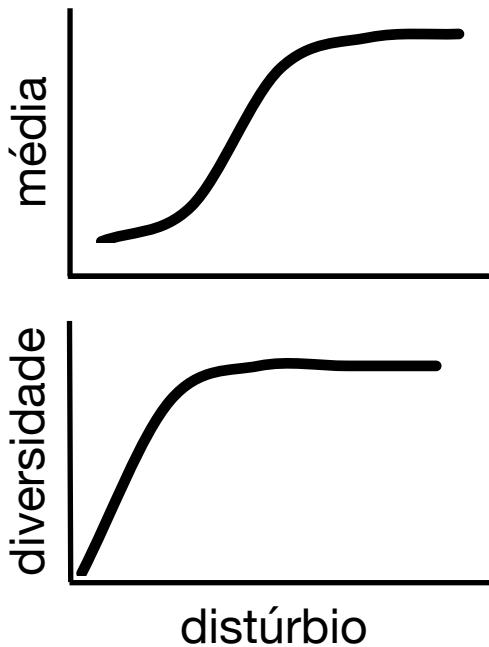
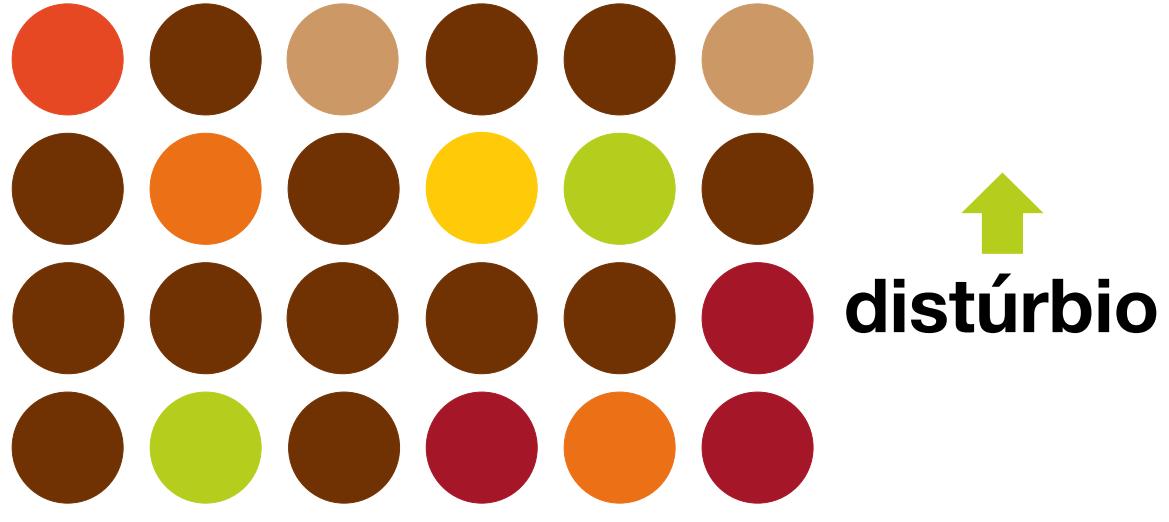
distúrbio

distúrbio

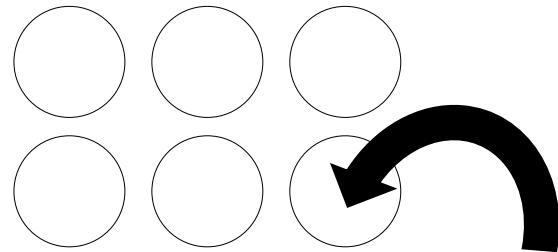


evolutivo

mutação + amostragem



evolutivo

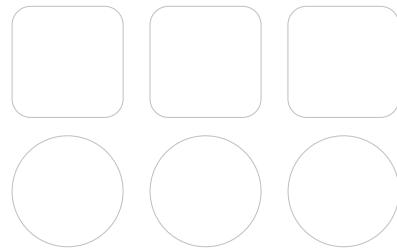


estratégia média

diversidade
de estratégias

-

ecológico

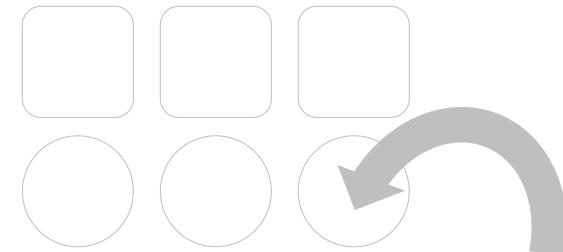


estratégia média

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heterogeneidade
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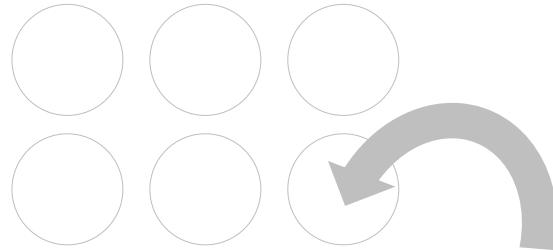


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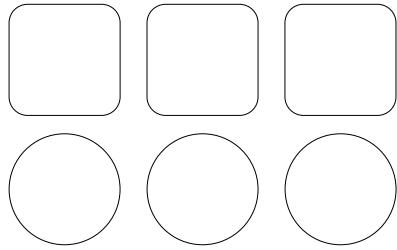


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diversidade
de estratégias

-

ecológico

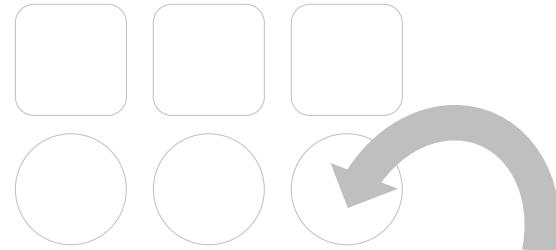


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diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

eco-evolutivo



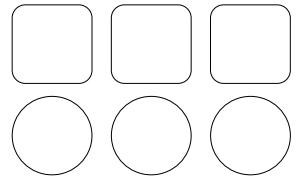
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diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias



estratégia média



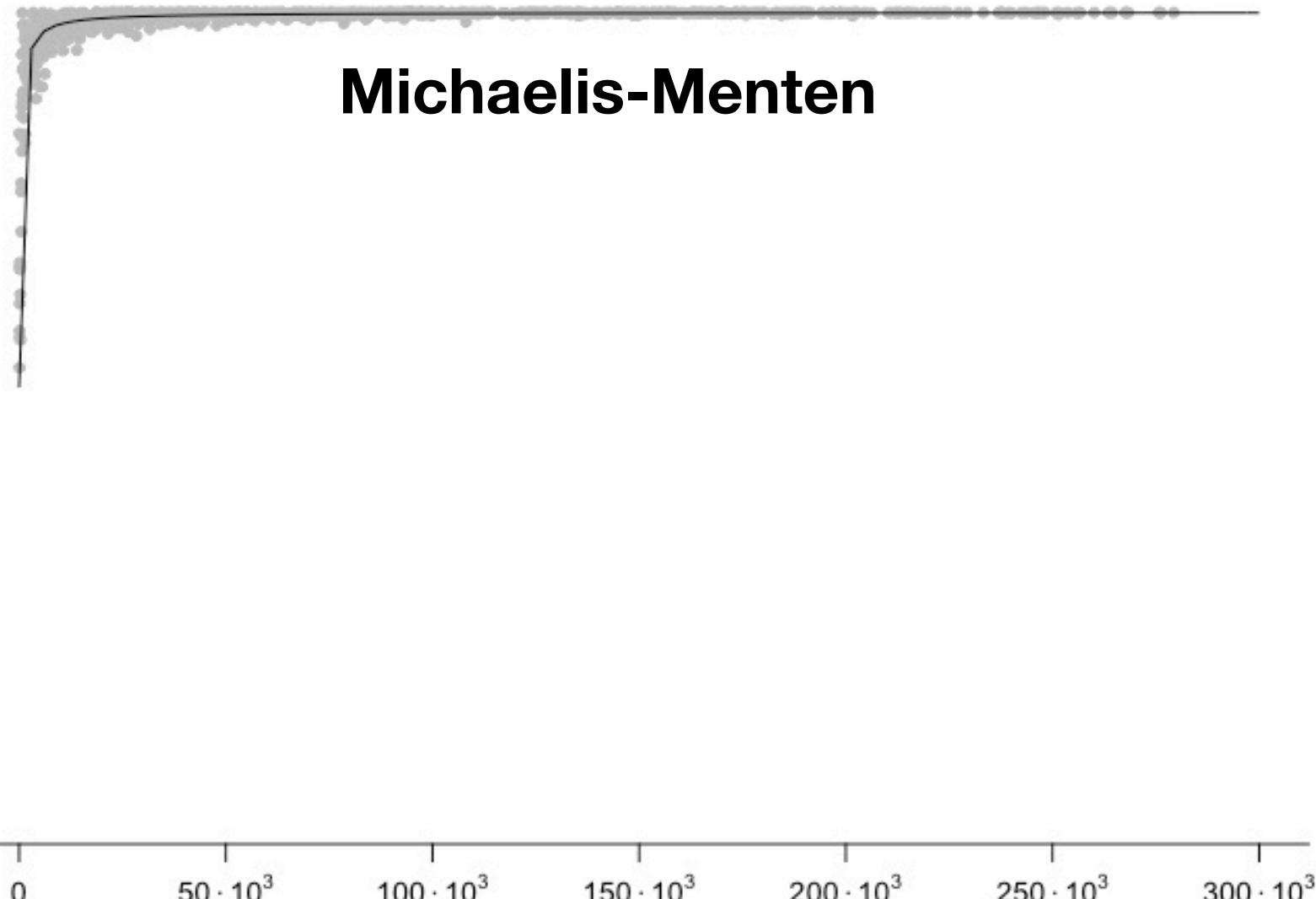
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estratégia média

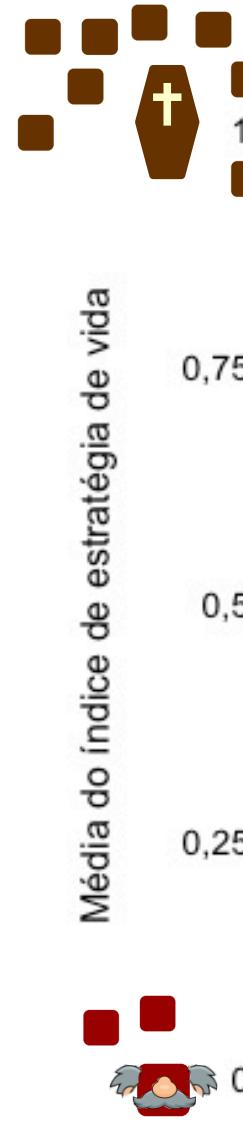
Michaelis-Menten

Média do índice de estratégia de vida

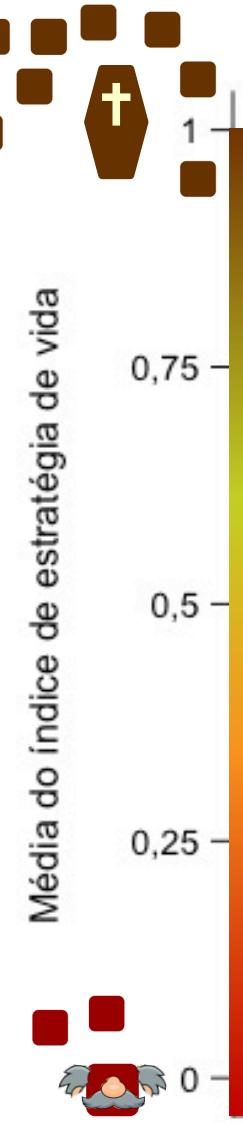
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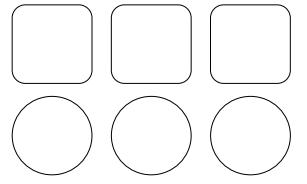
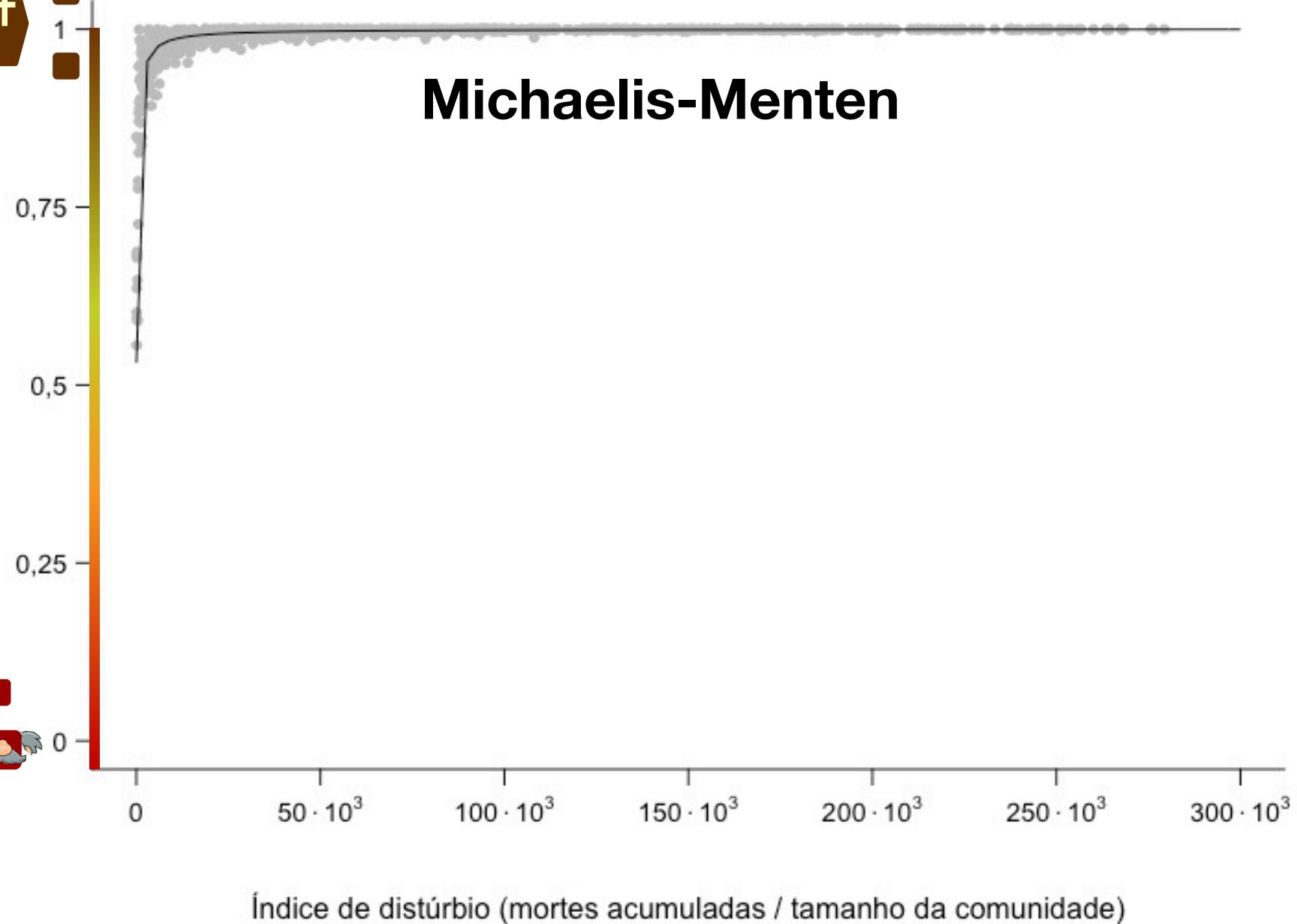
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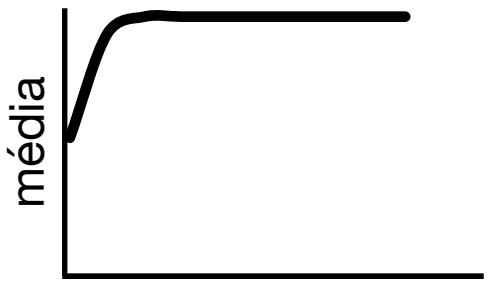
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Média do índice de estratégia de vida

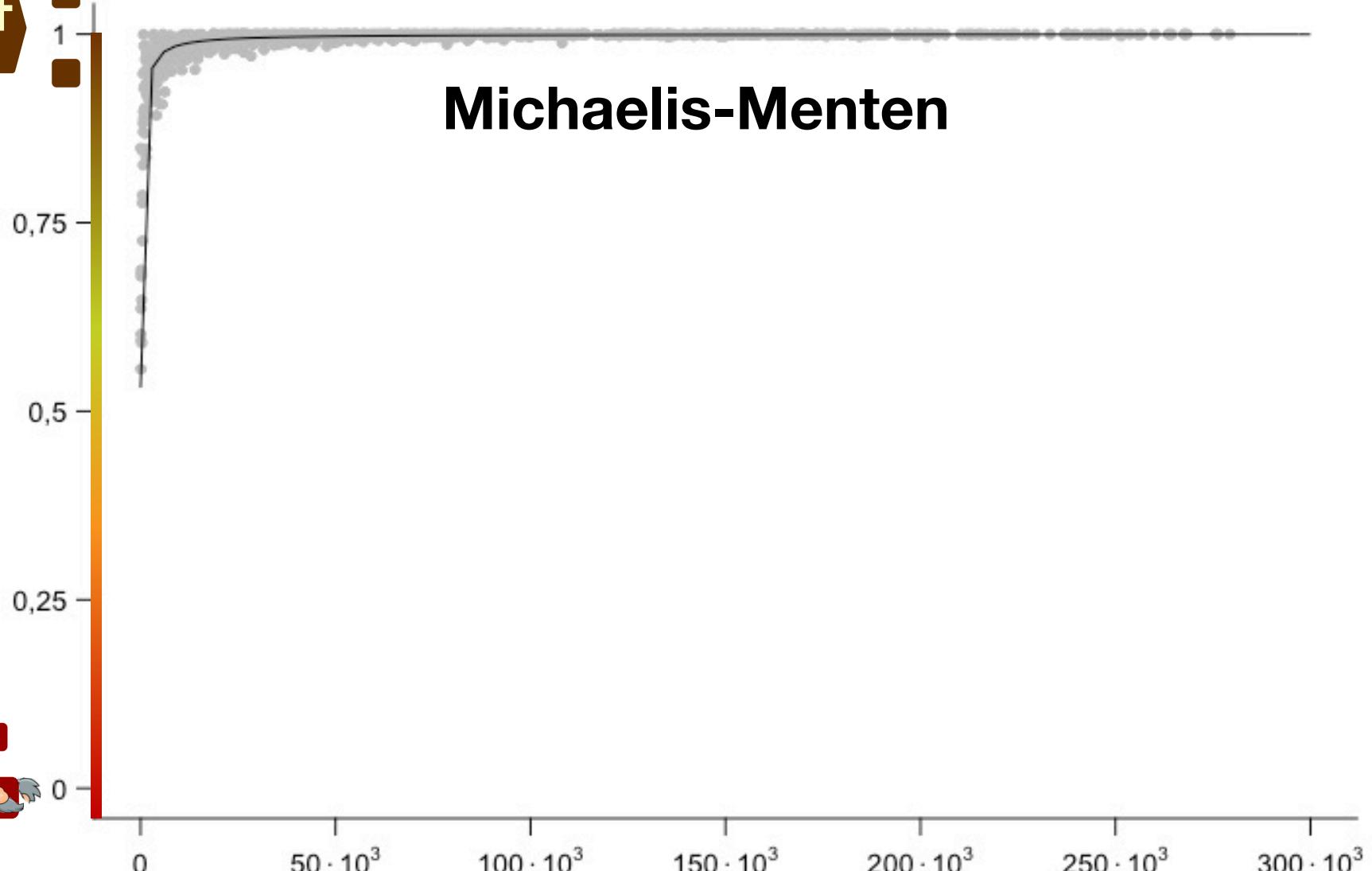


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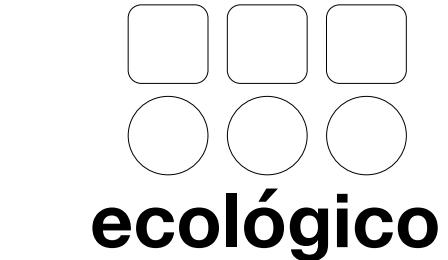


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Média do índice de estratégia de vida

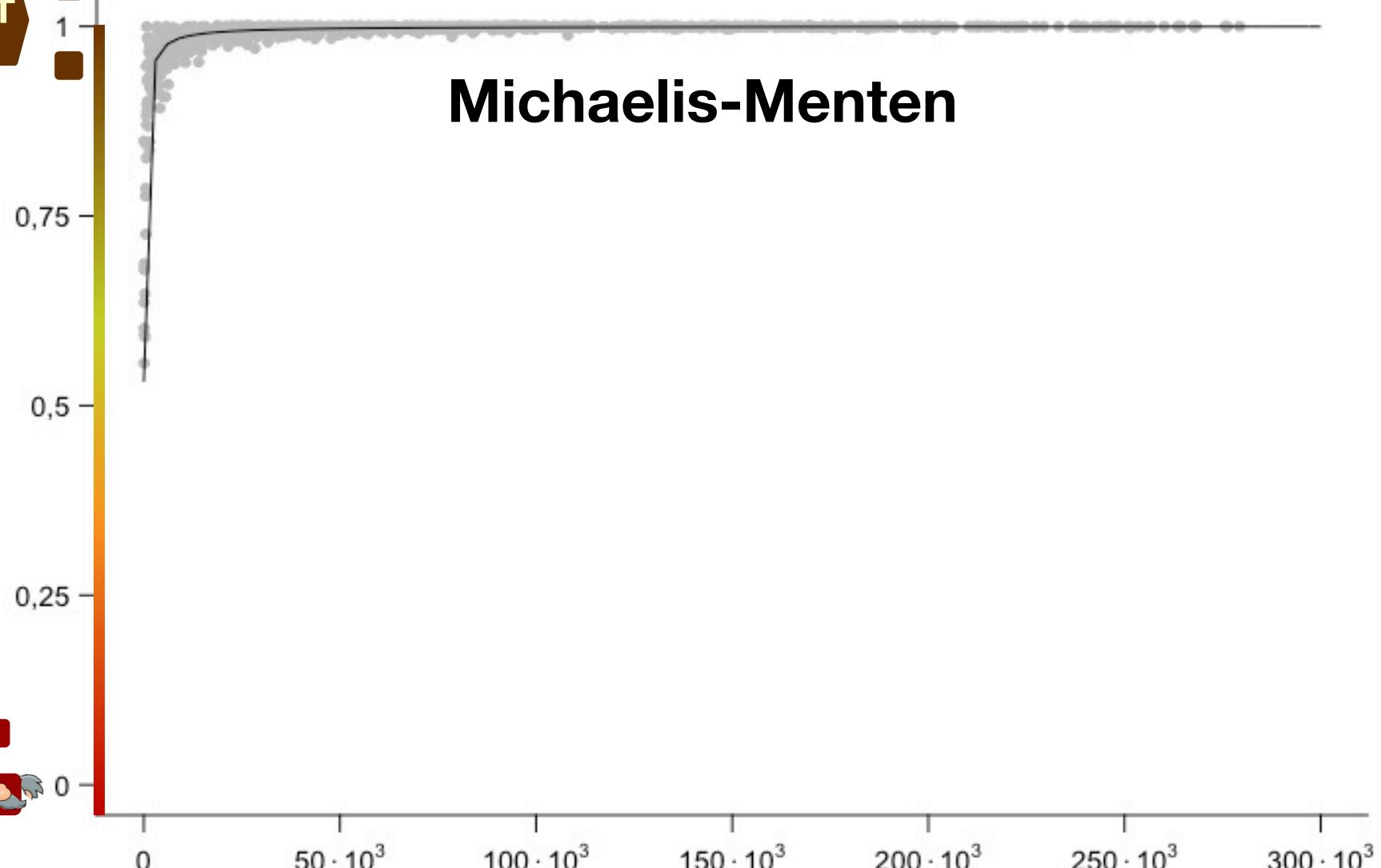


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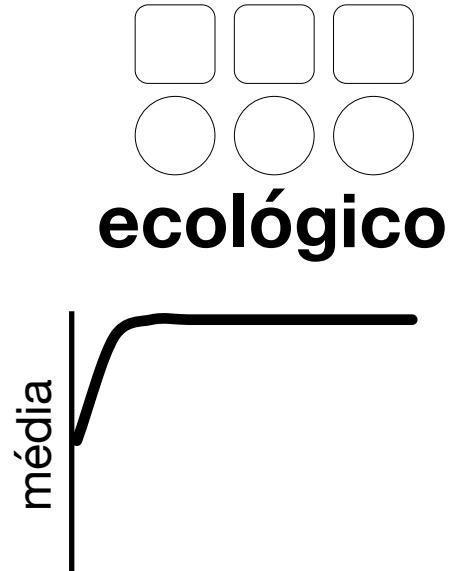


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Média do índice de estratégia de vida

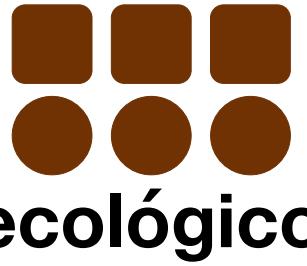
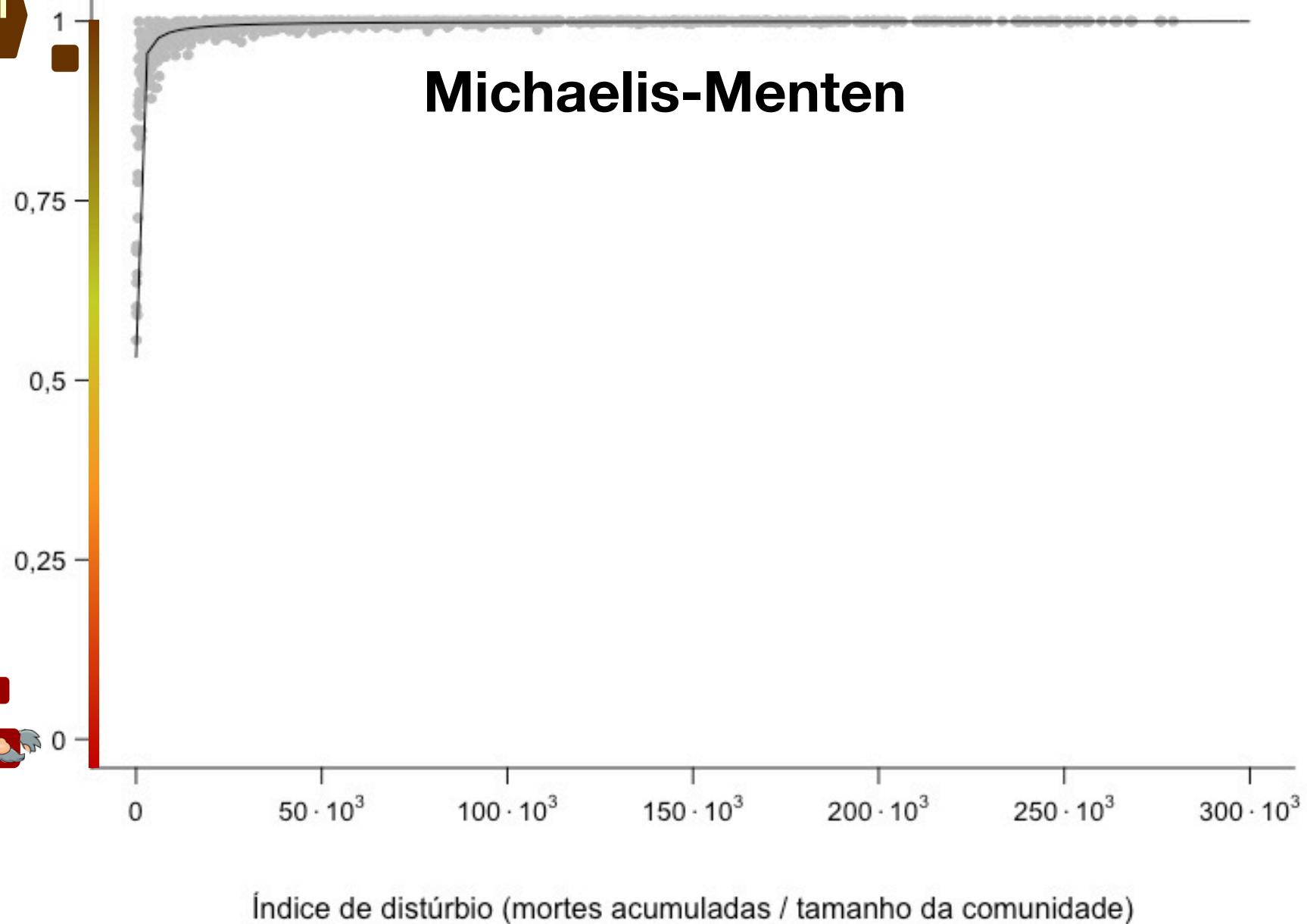


Michaelis-Menten



estratégia média

Média do índice de estratégia de vida



média

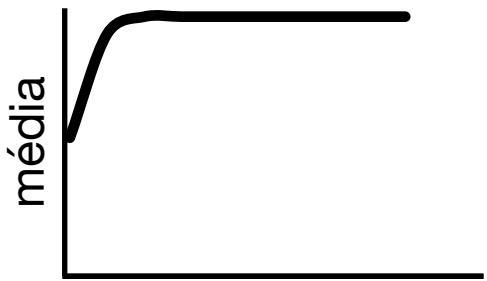
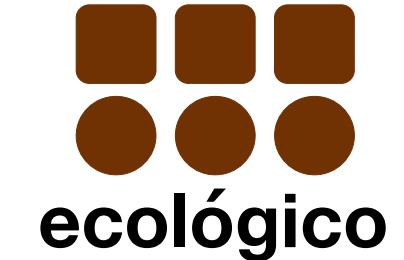
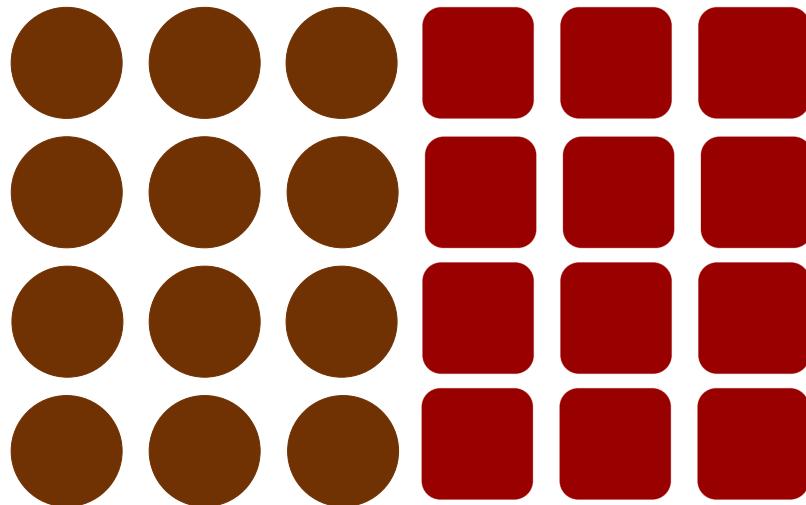


exclusão competitiva de espécies

banco

x 96

x 24

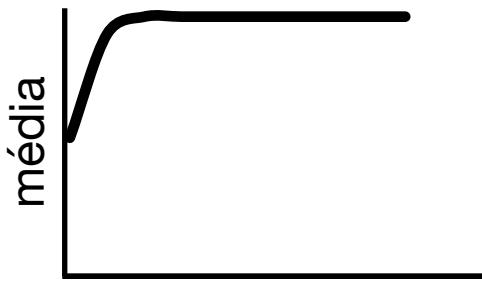
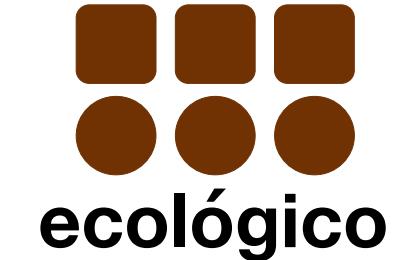
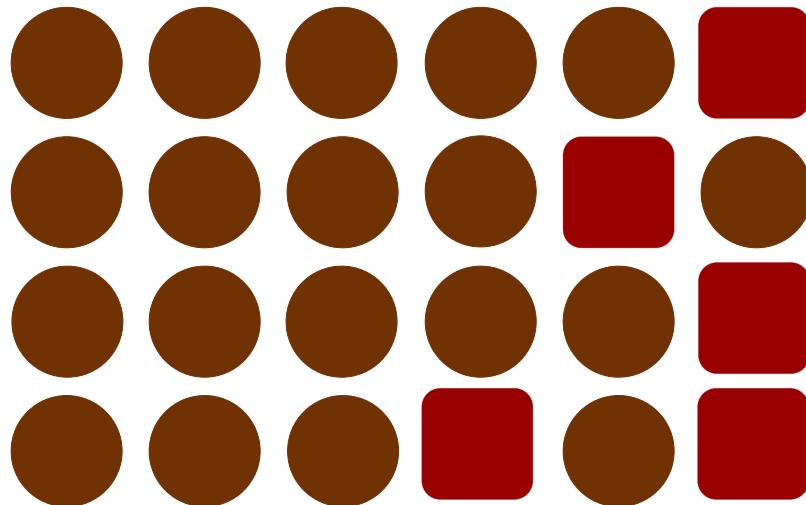


exclusão competitiva de espécies

banco

● x 152

■ x 10

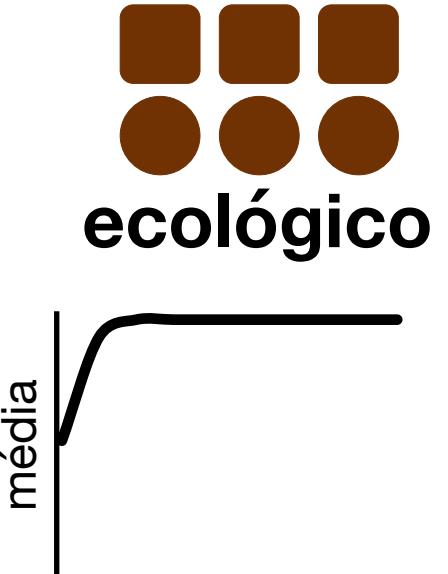
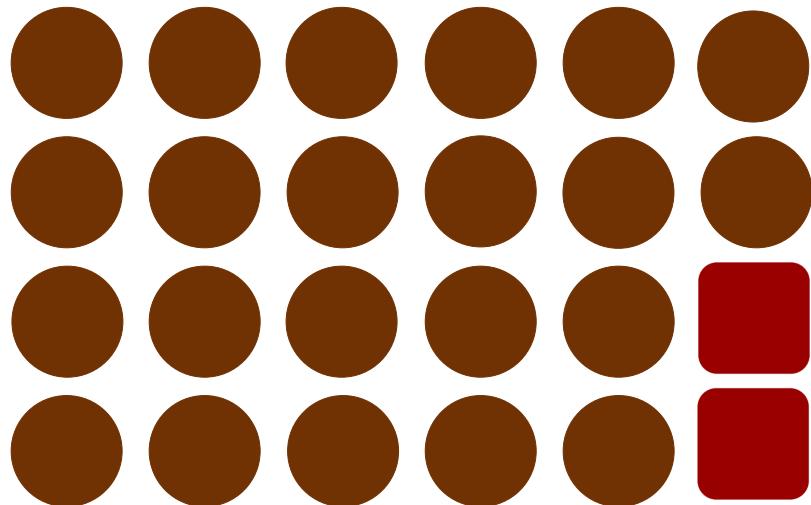


exclusão competitiva de espécies

banco

● x 176

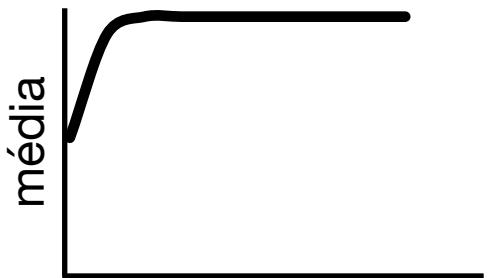
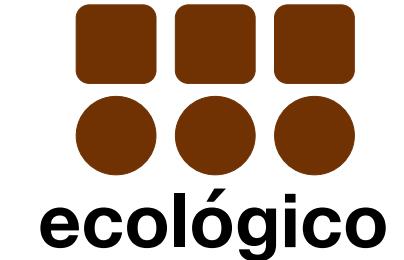
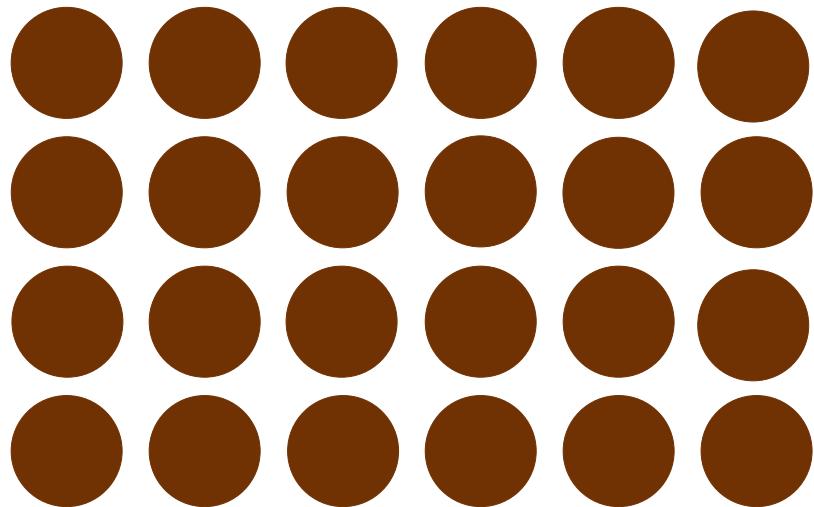
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exclusão competitiva de espécies

banco

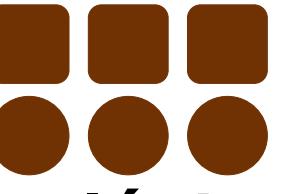
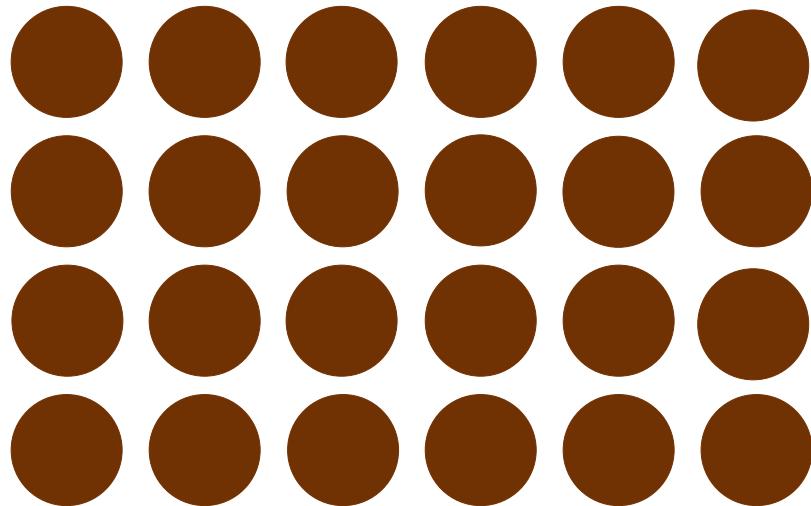
● x 176



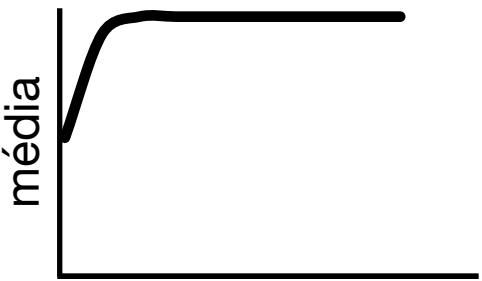
exclusão competitiva de espécies

banco

● x 176

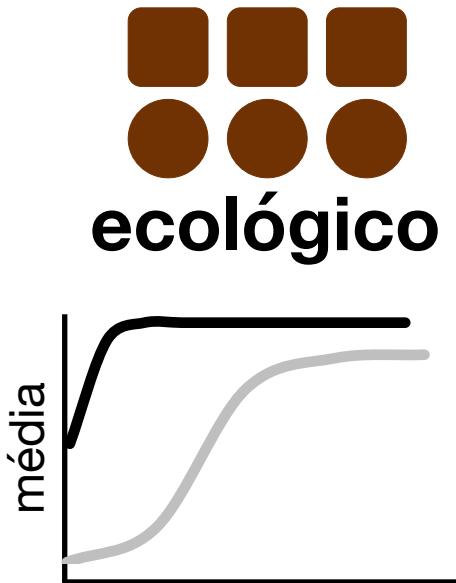
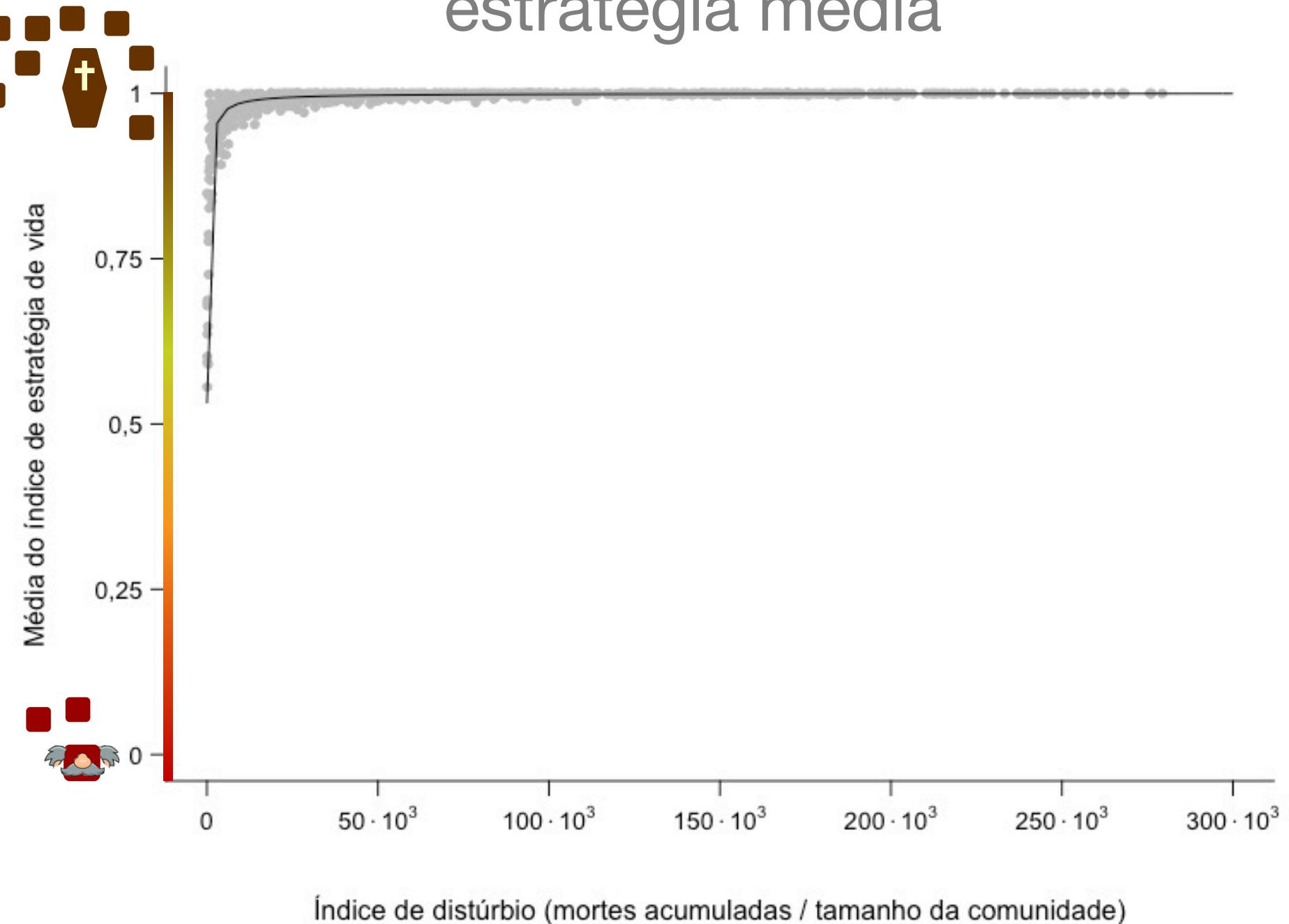


ecológico



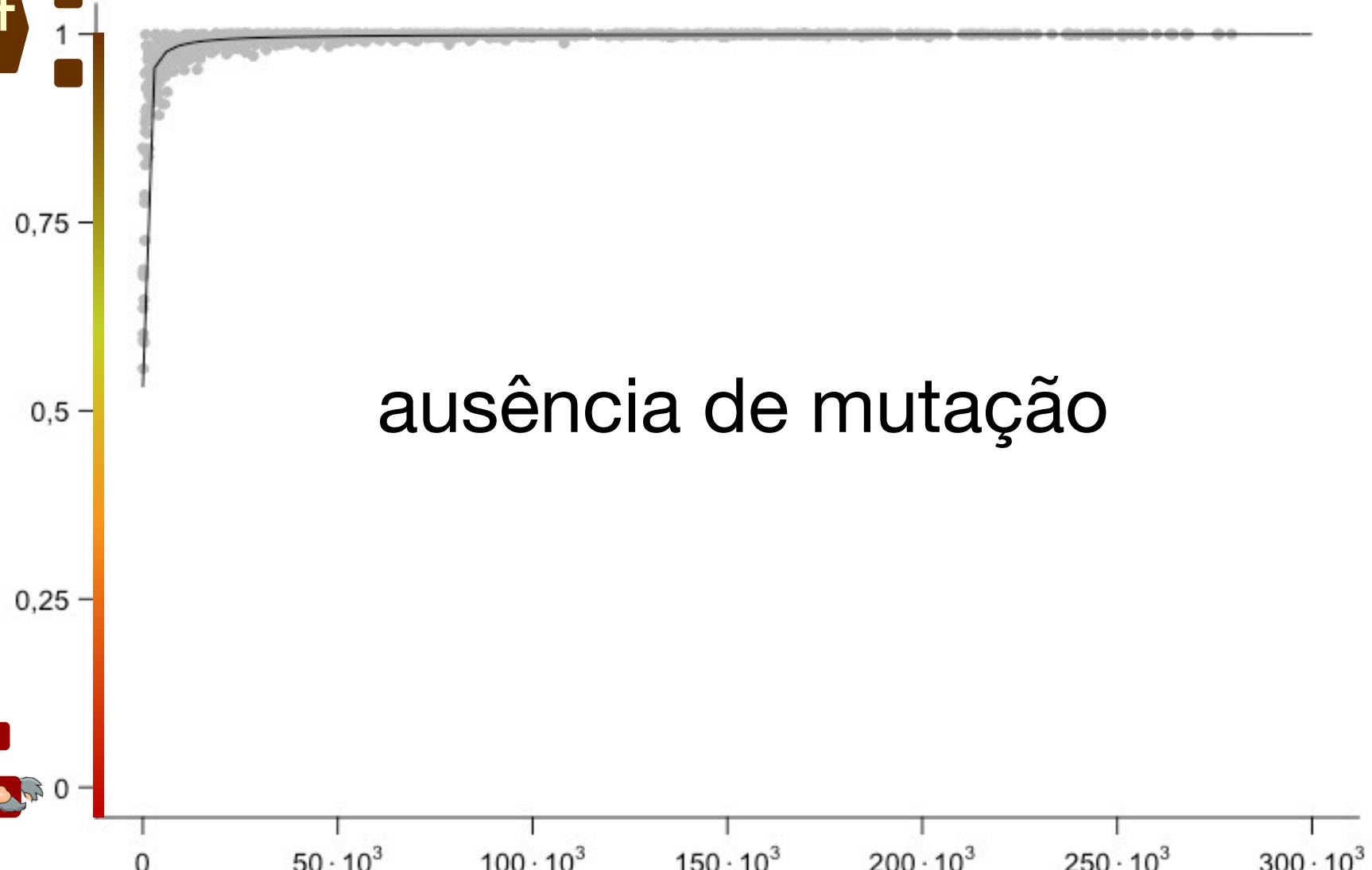
estratégia de maior fecundidade melhor competidora

estratégia média

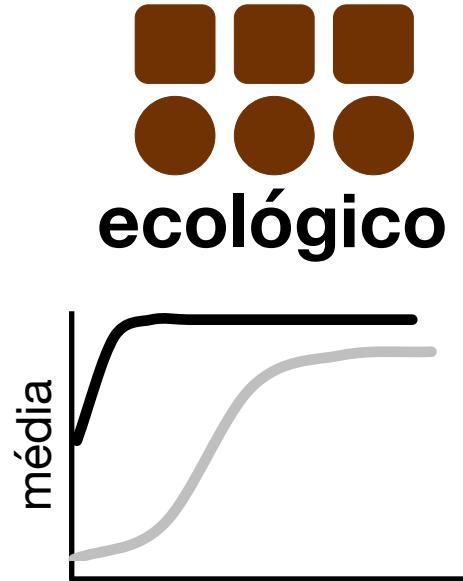


estratégia média

Média do índice de estratégia de vida



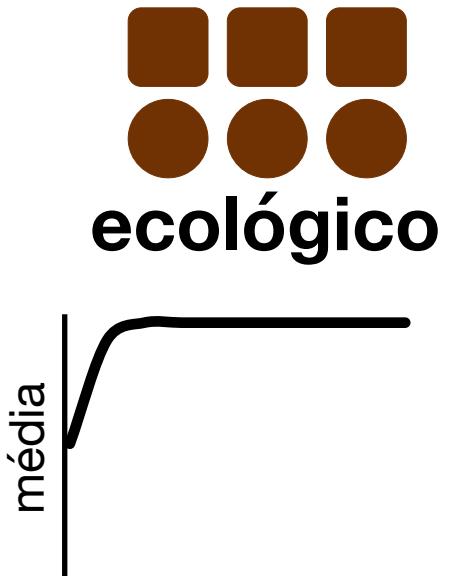
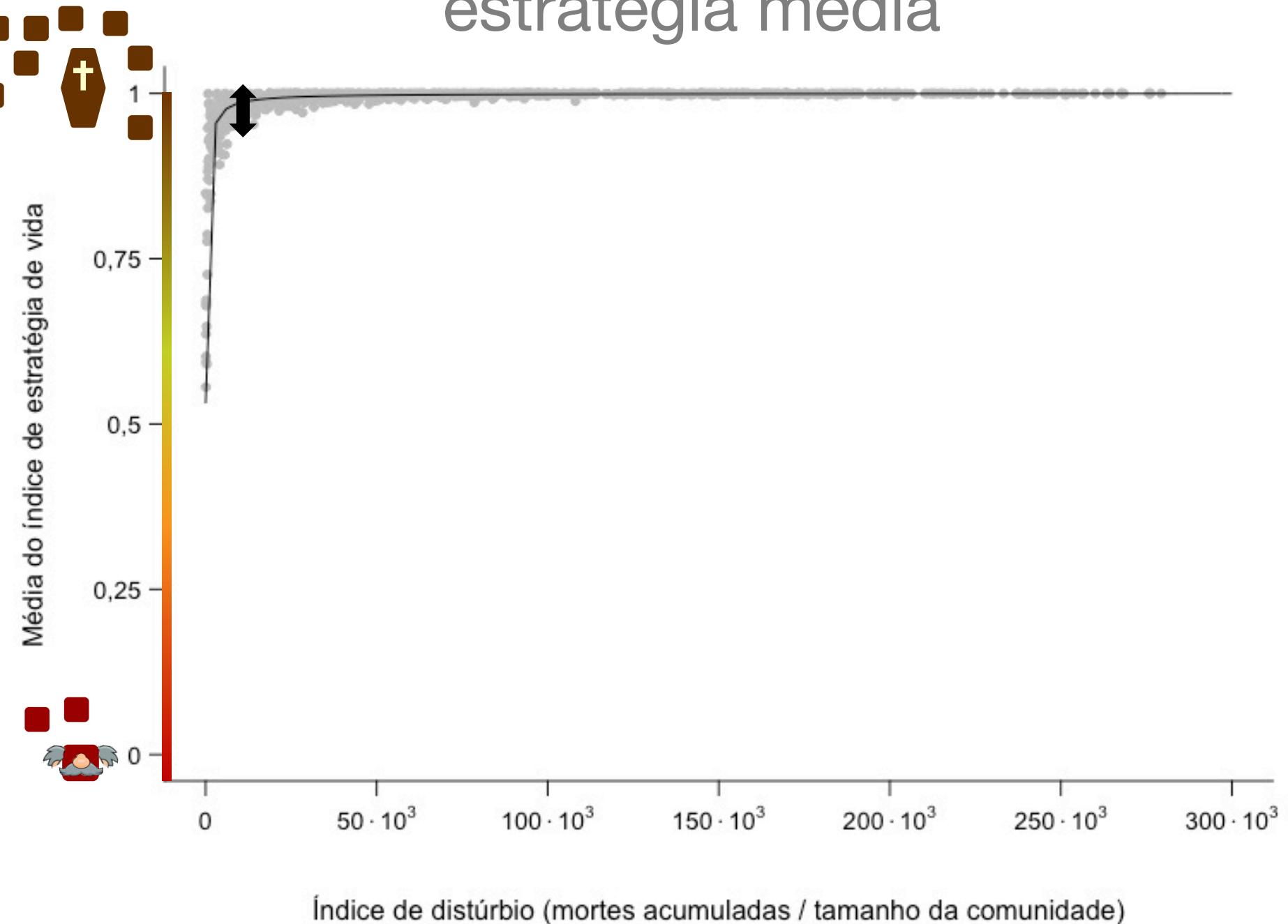
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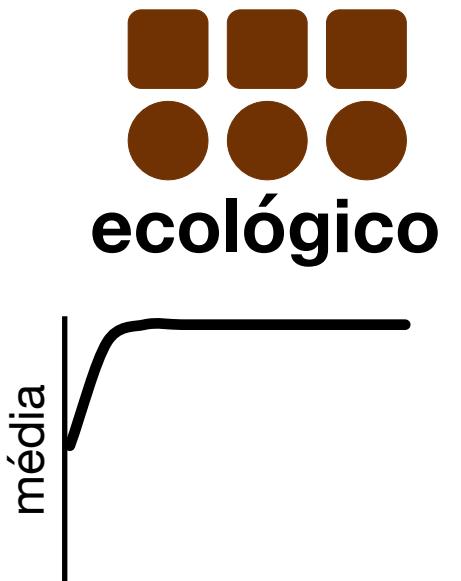
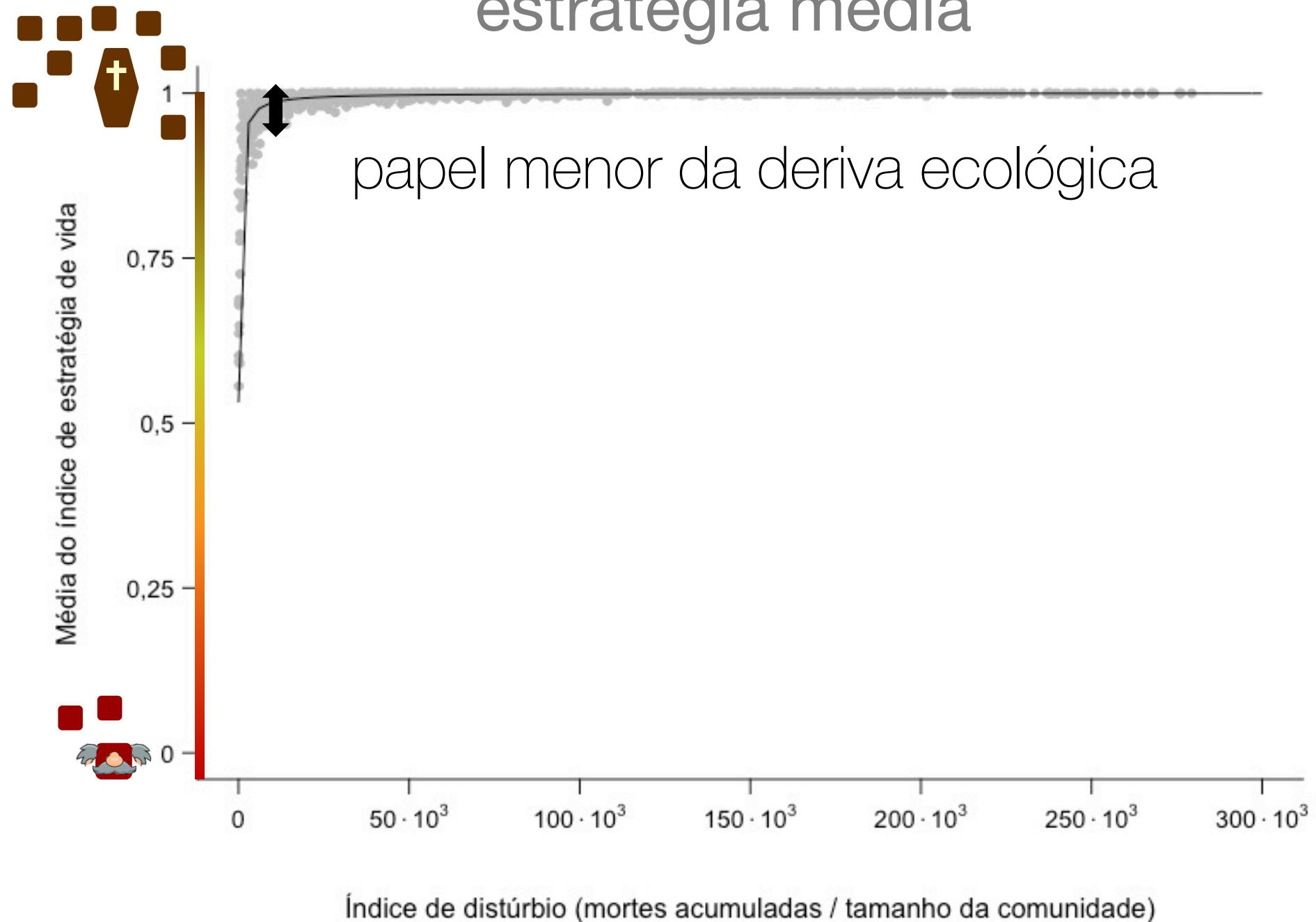
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média

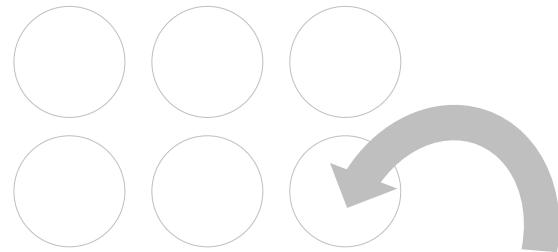
estratégia média



estratégia média



evolutivo

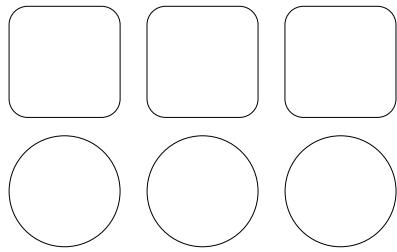


estratégia média

diversidade
de estratégias

-

ecológico

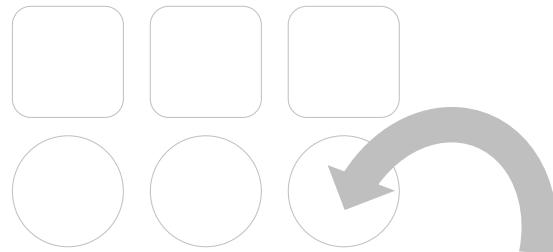


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

eco-evolutivo

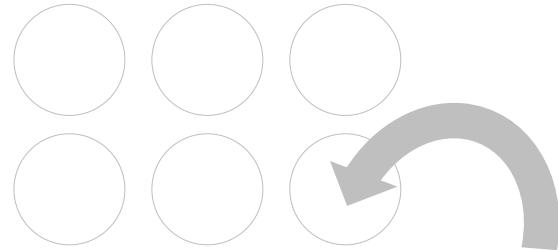


estratégia média

diversidade
de estratégias

heterogeneidade
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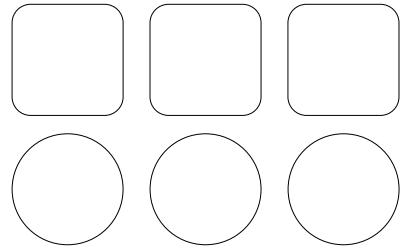


estratégia média

diversidade
de estratégias

-

ecológico

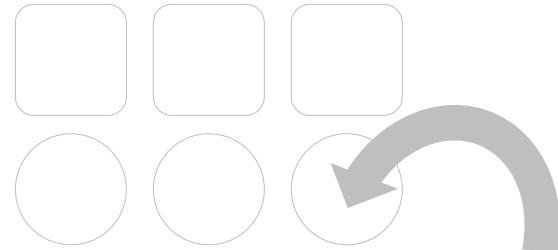


estratégia média

diversidade
de estratégias

heterogeneidade
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estratégias

eco-evolutivo



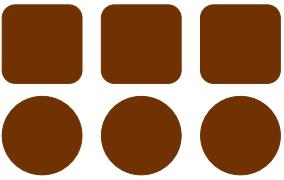
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diversidade
de estratégias

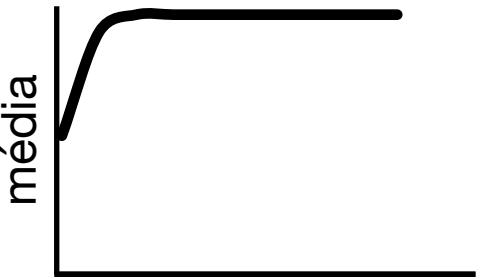
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interespecífica de
estratégias



diversidade de estratégias

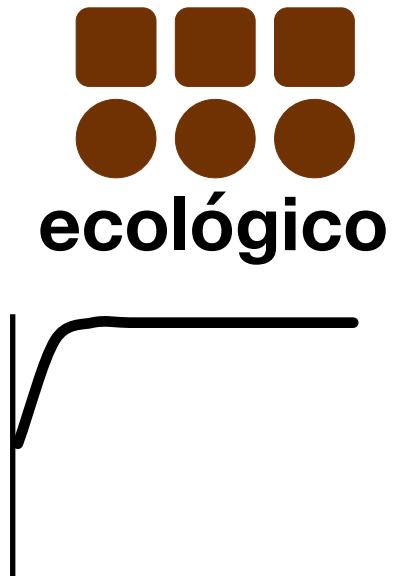
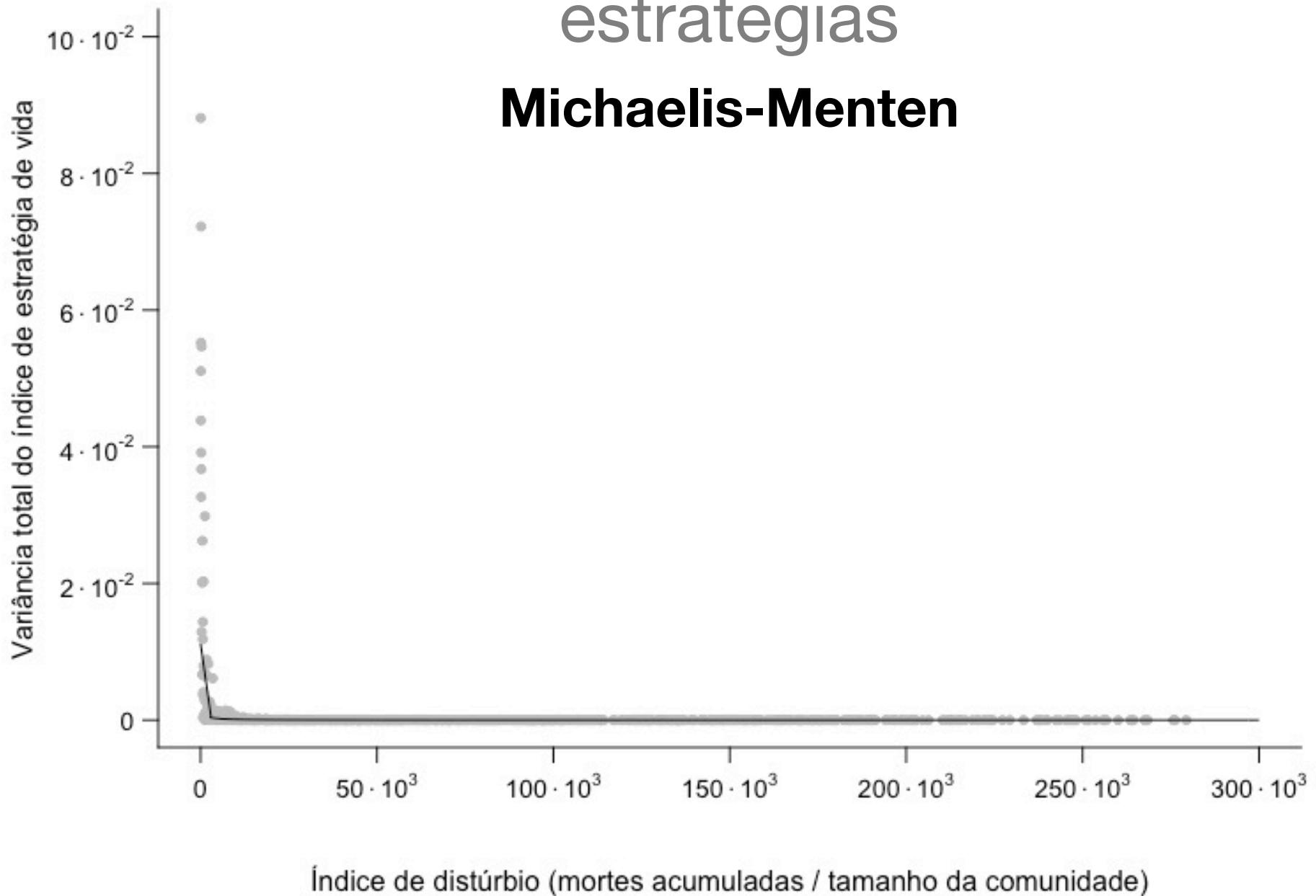


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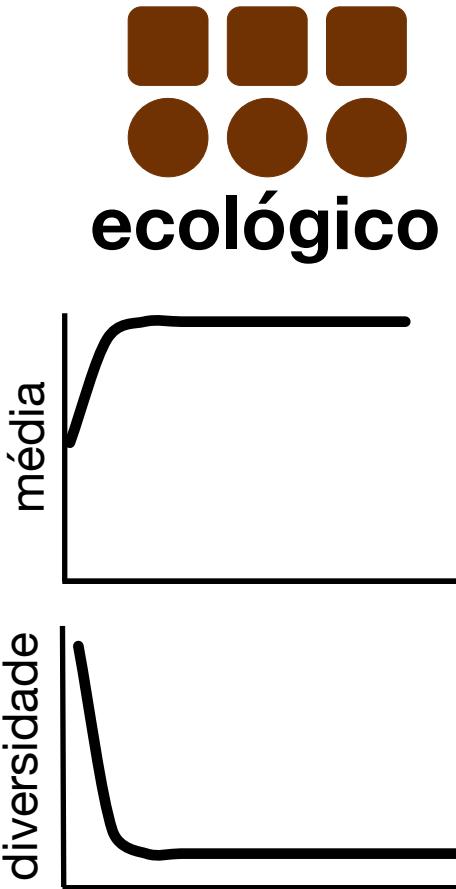
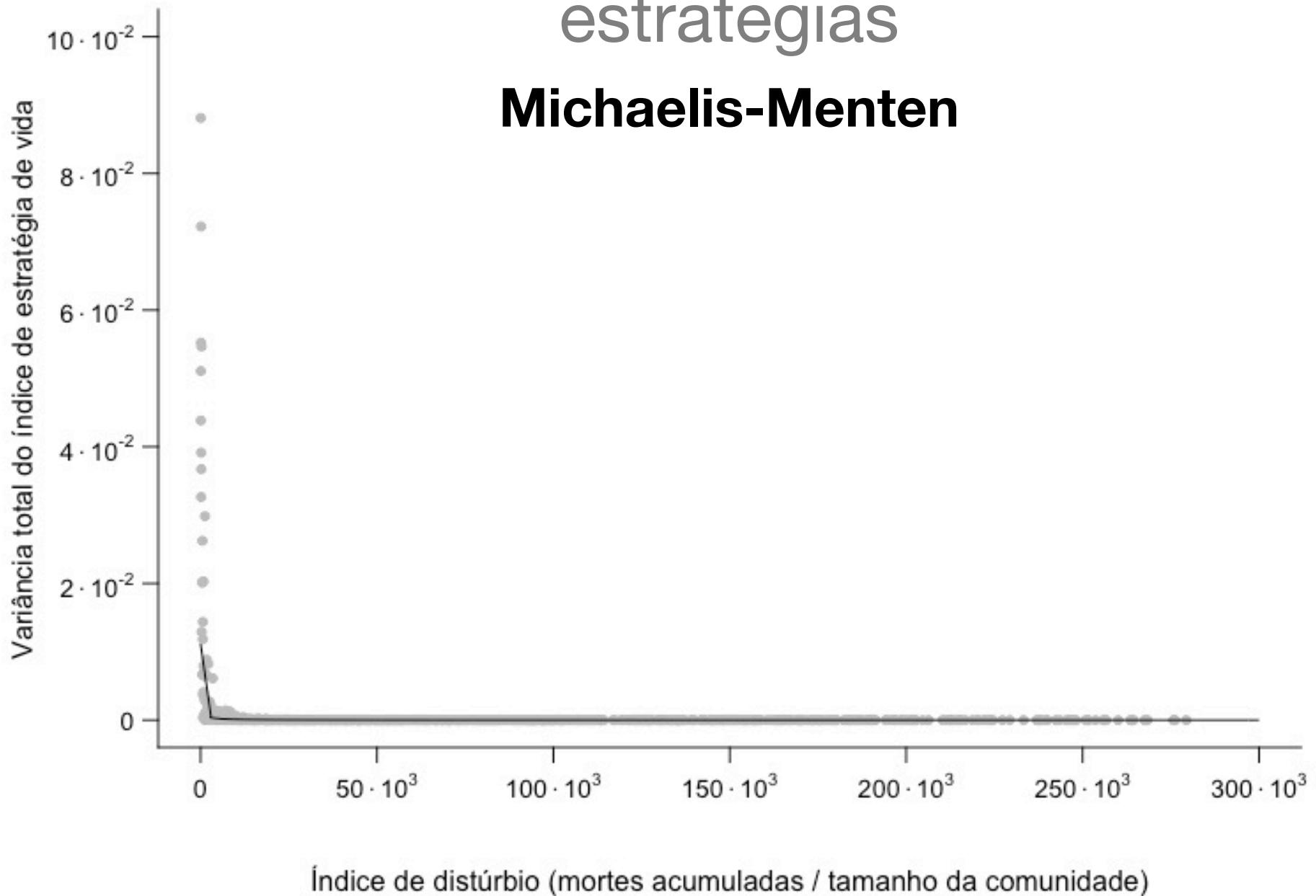
diversidade de estratégias

Michaelis-Menten



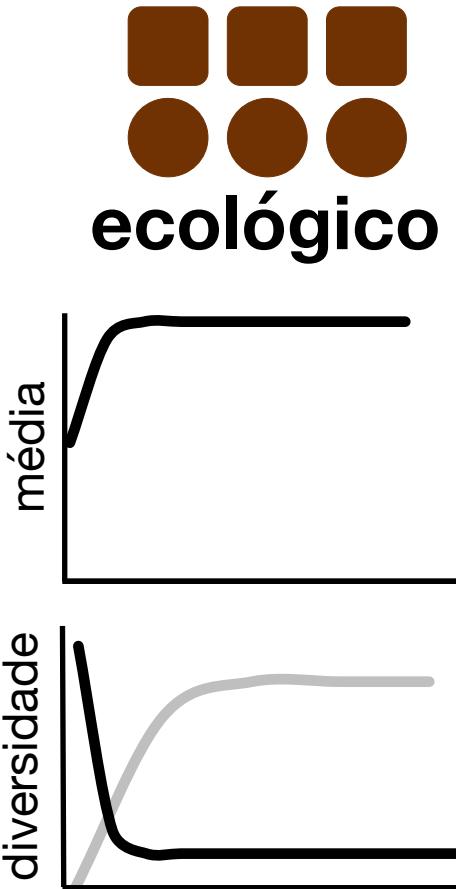
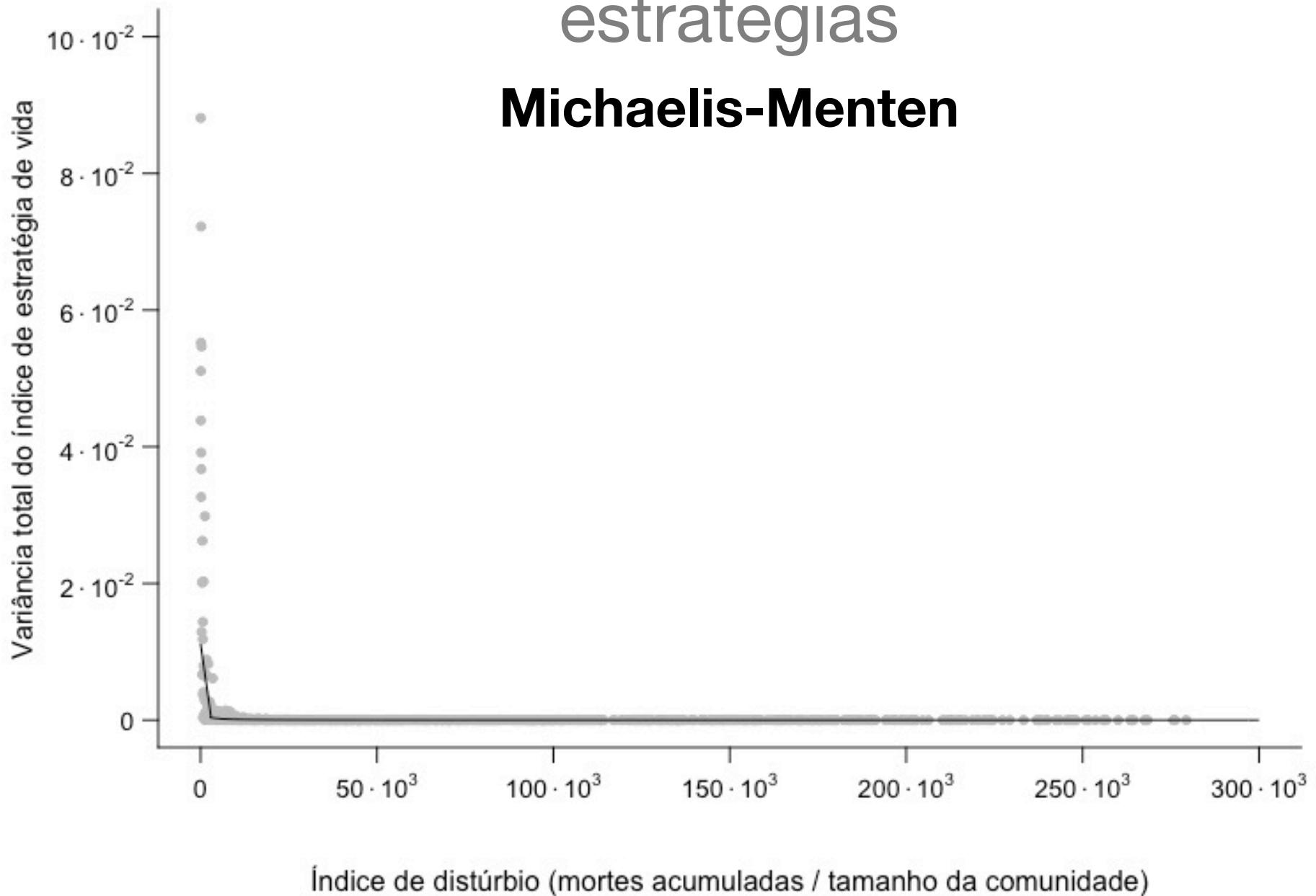
diversidade de estratégias

Michaelis-Menten



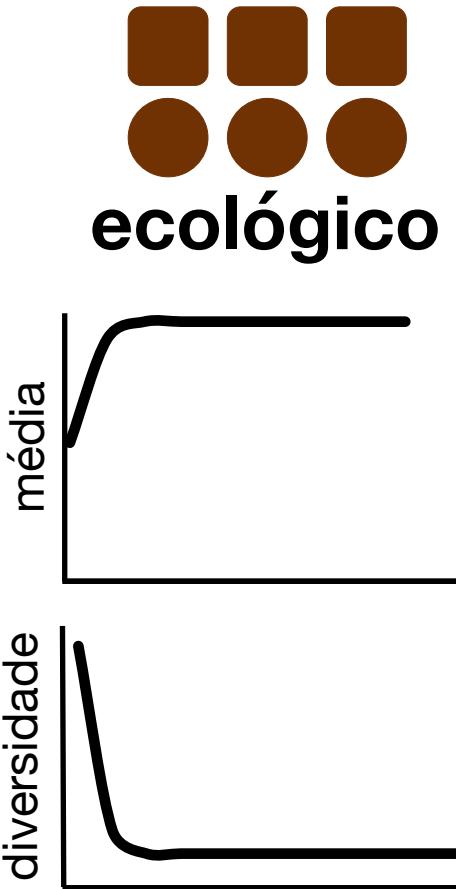
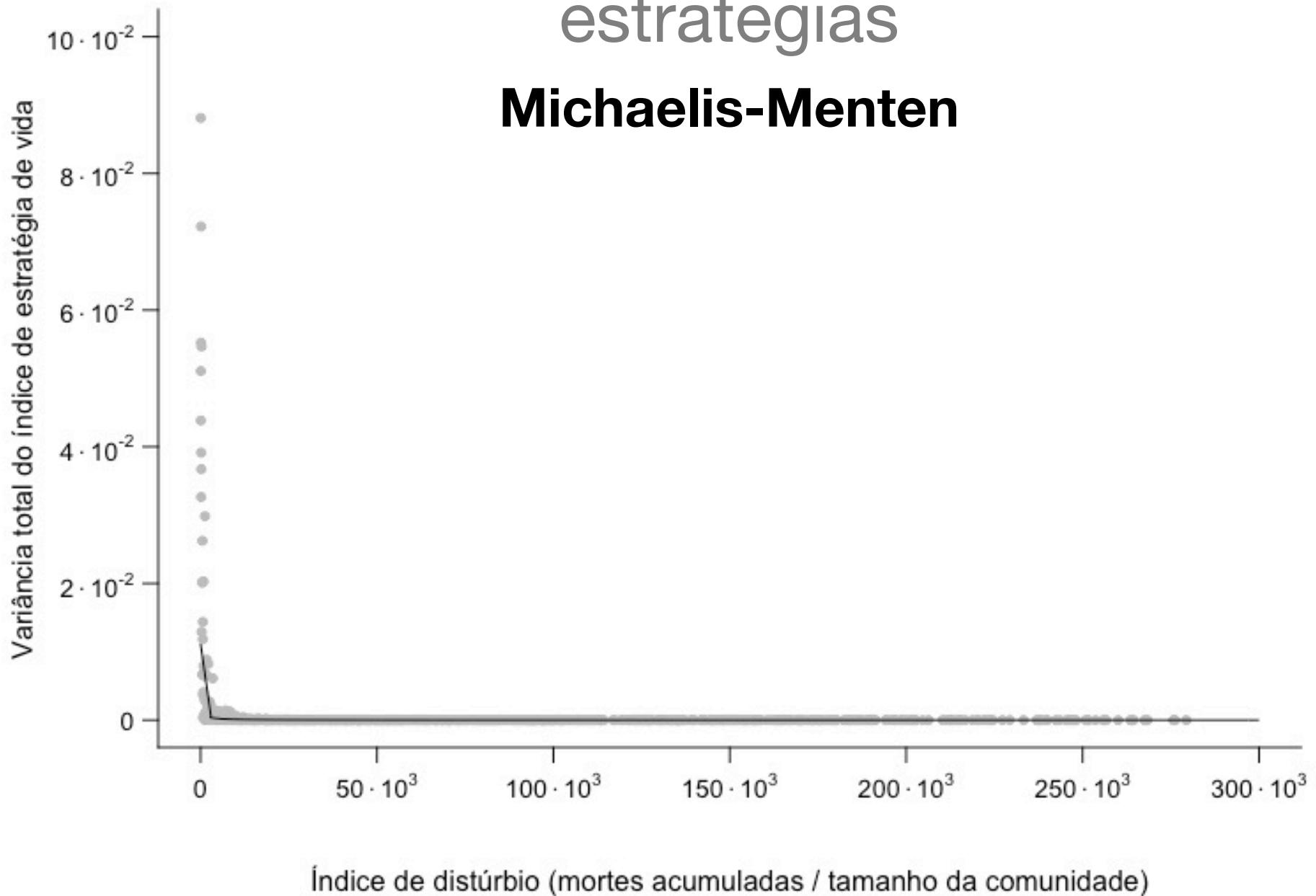
diversidade de estratégias

Michaelis-Menten

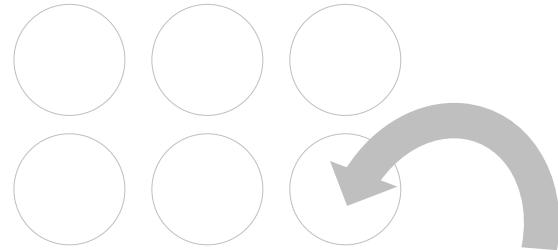


diversidade de estratégias

Michaelis-Menten



evolutivo

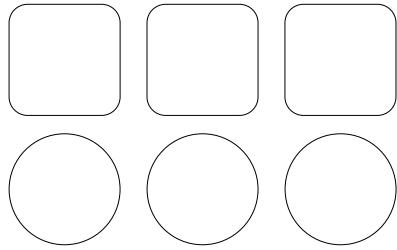


estratégia média

diversidade
de estratégias

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ecológico

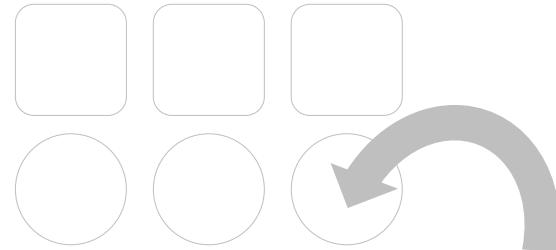


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diversidade
de estratégias

heterogeneidade
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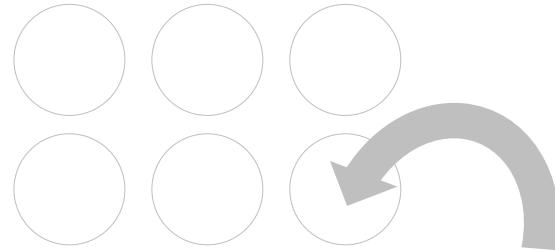


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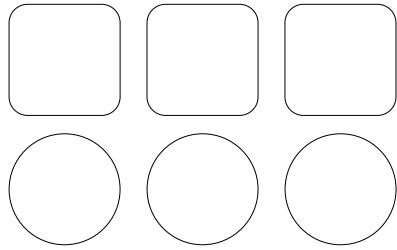


estratégia média

diversidade
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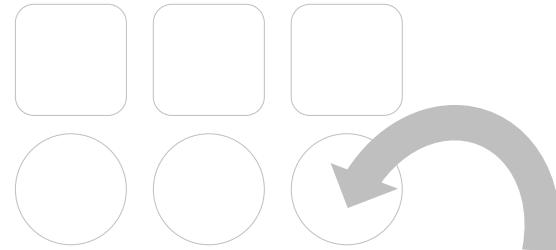


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diversidade
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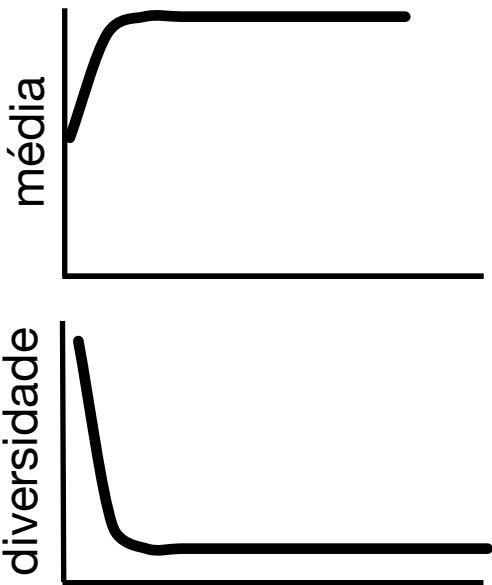
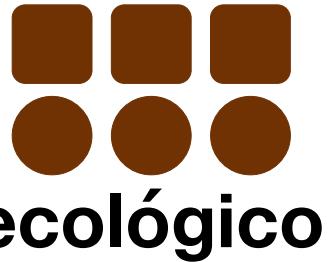


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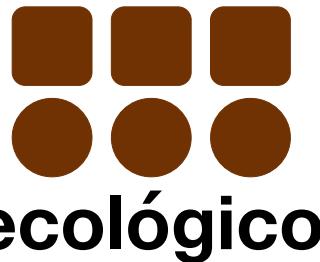
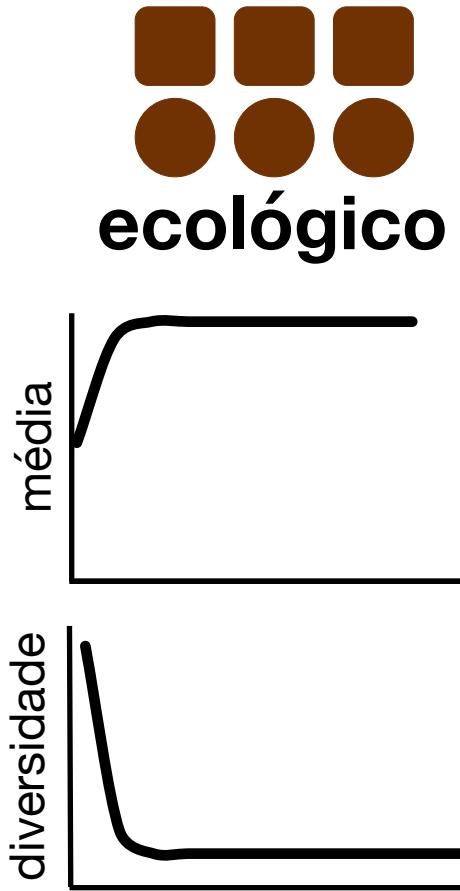
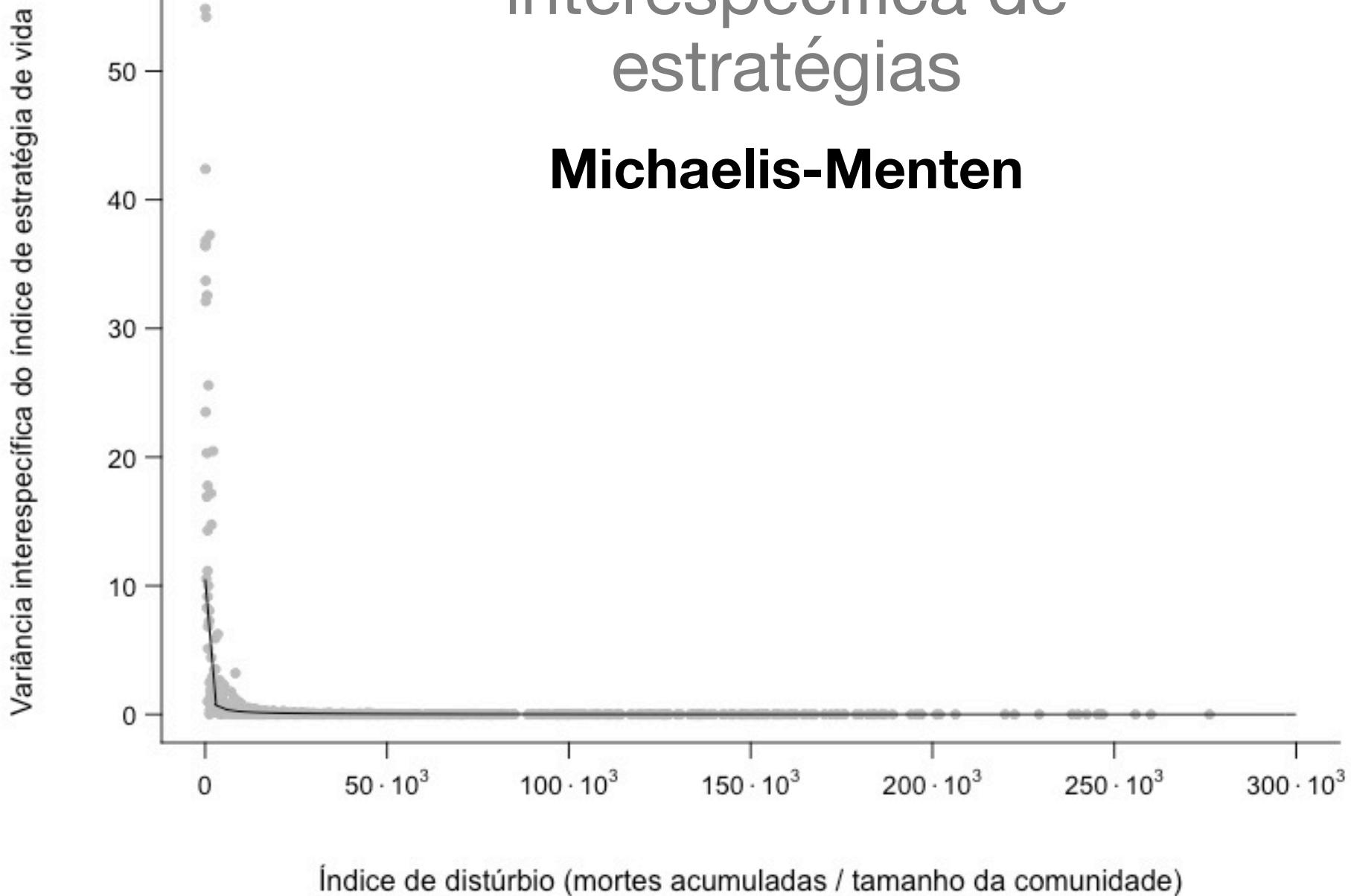
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estratégias

heterogeneidade interespecífica de estratégias



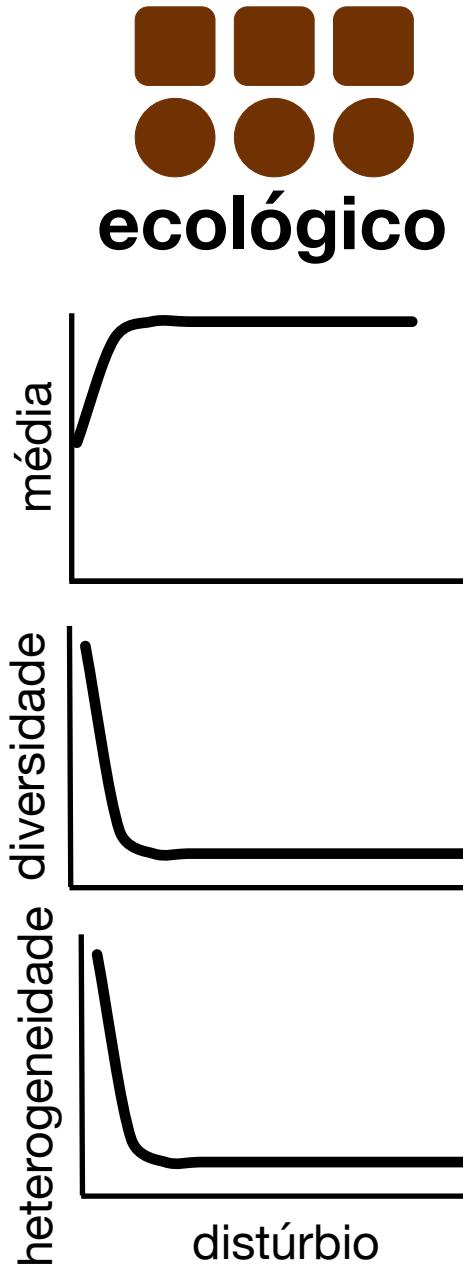
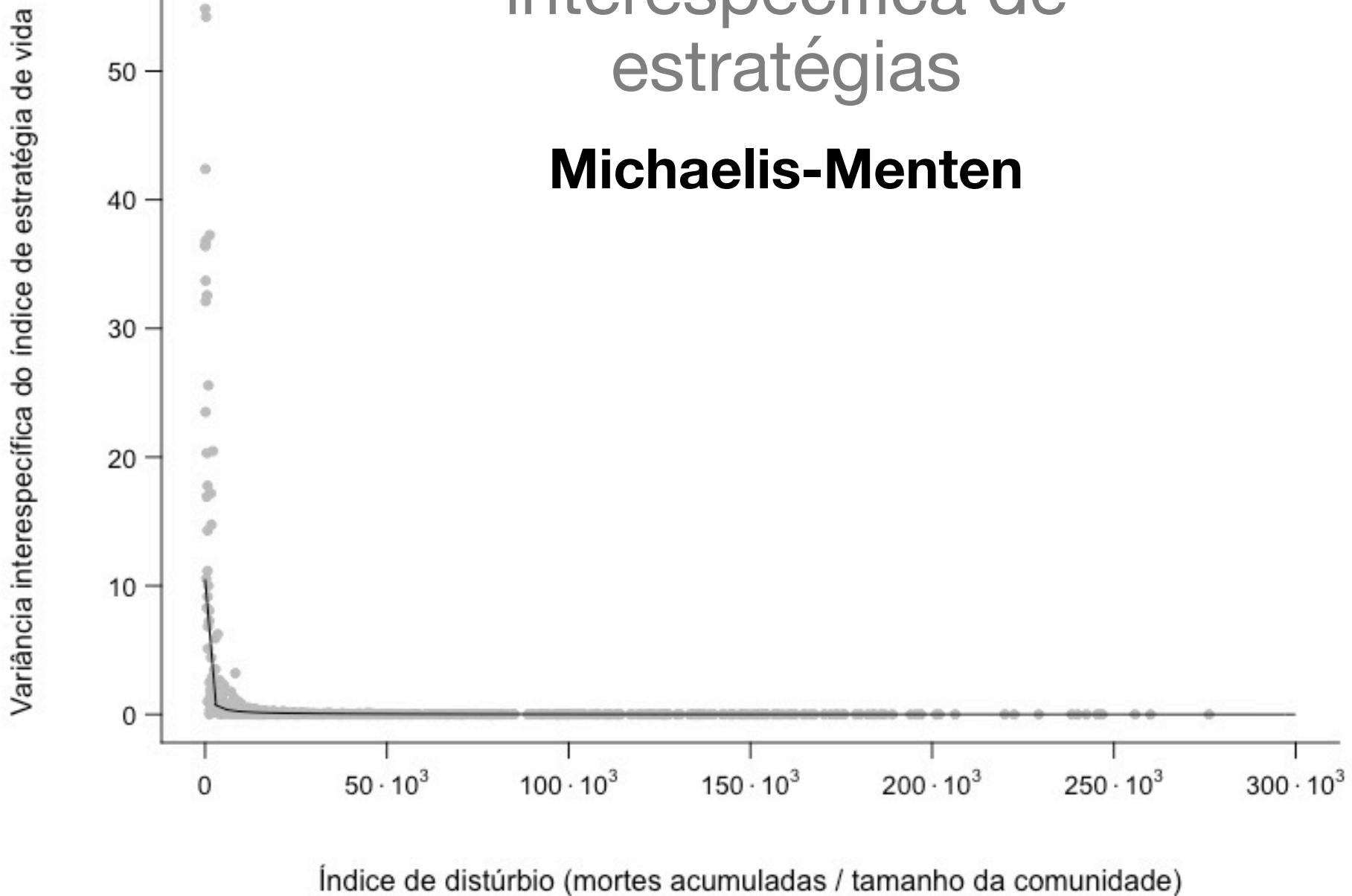
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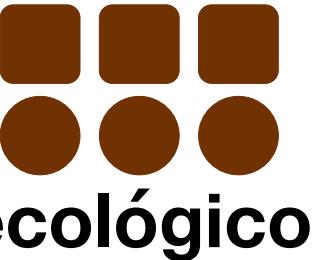
Michaelis-Menten



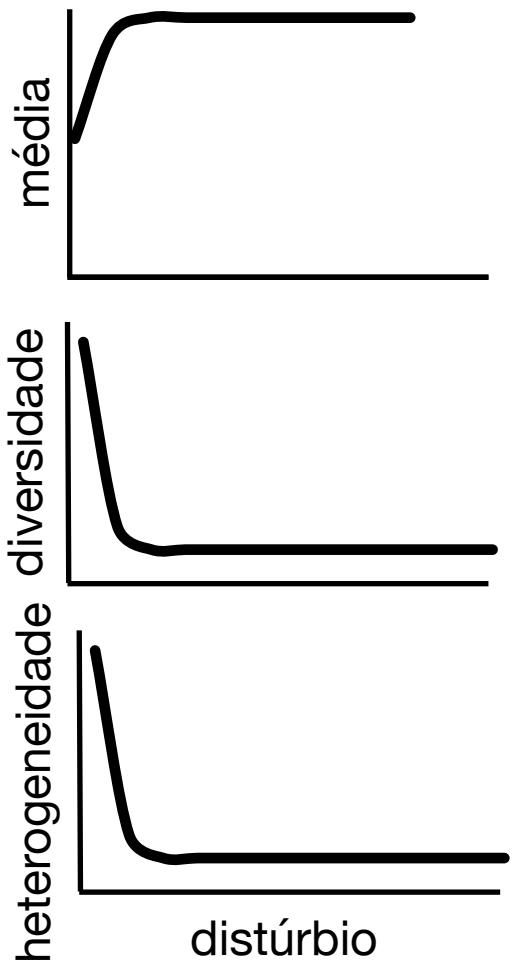
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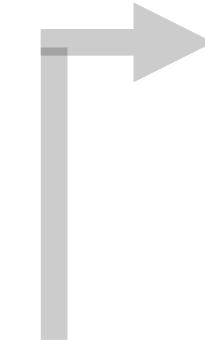





distúrbio

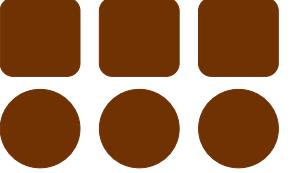


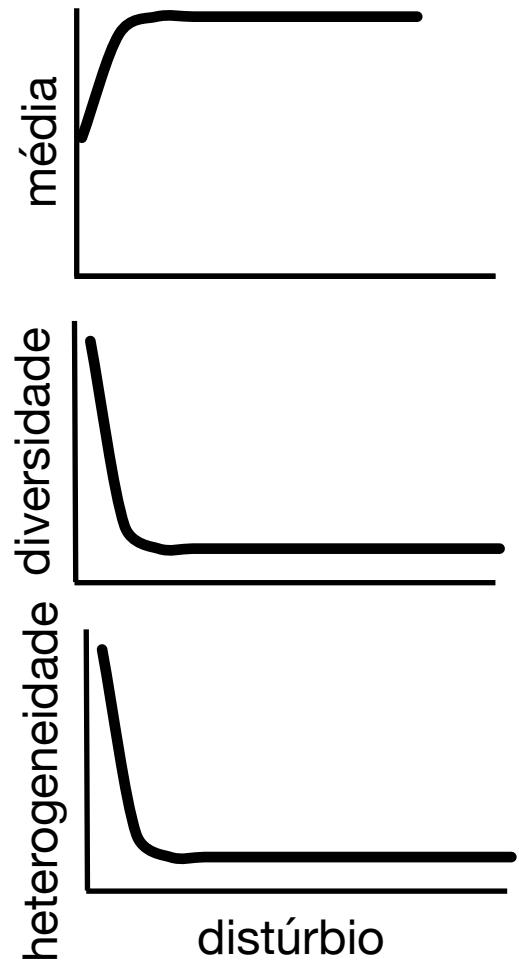
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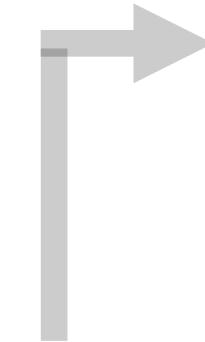
distúrbio




ecológico



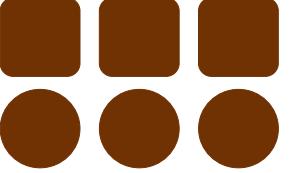
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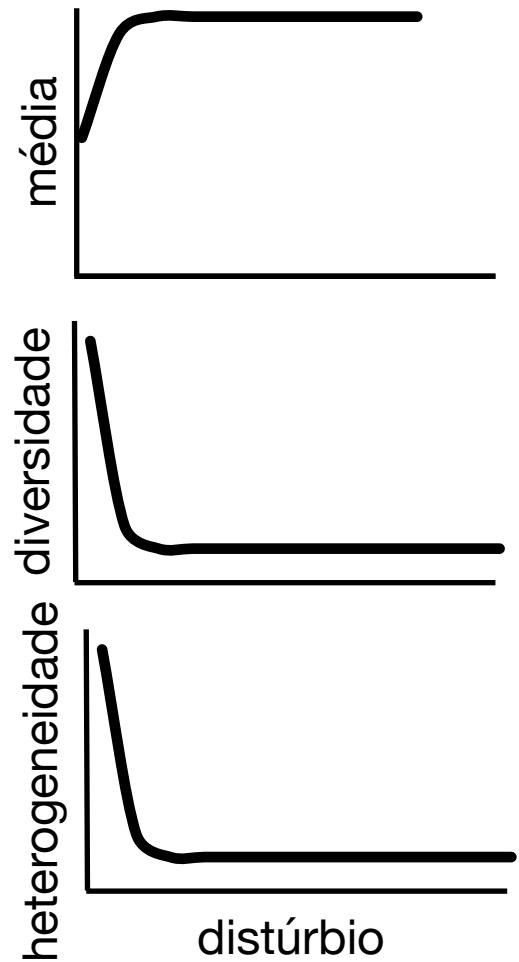


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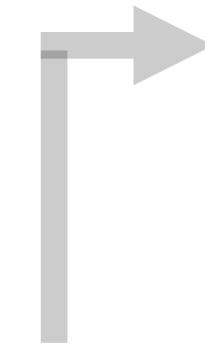


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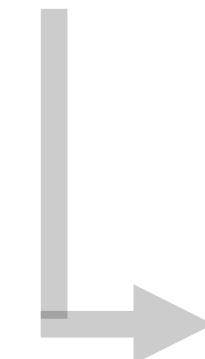

ecológico



extinção

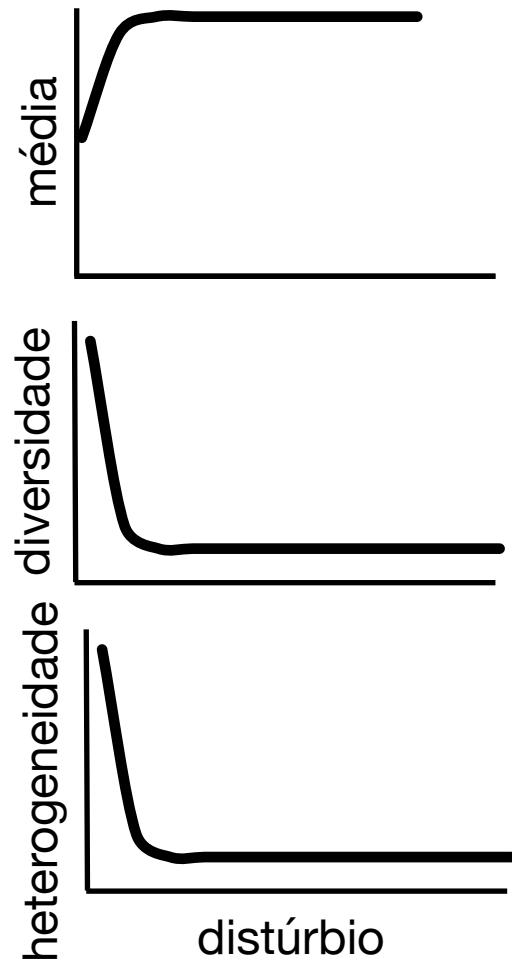


distúrbio

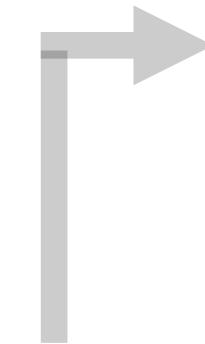


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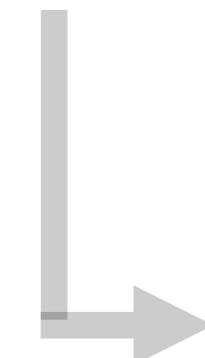
exclusão competitiva



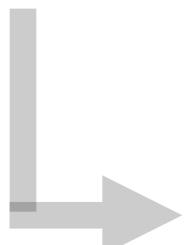
extinção



distúrbio



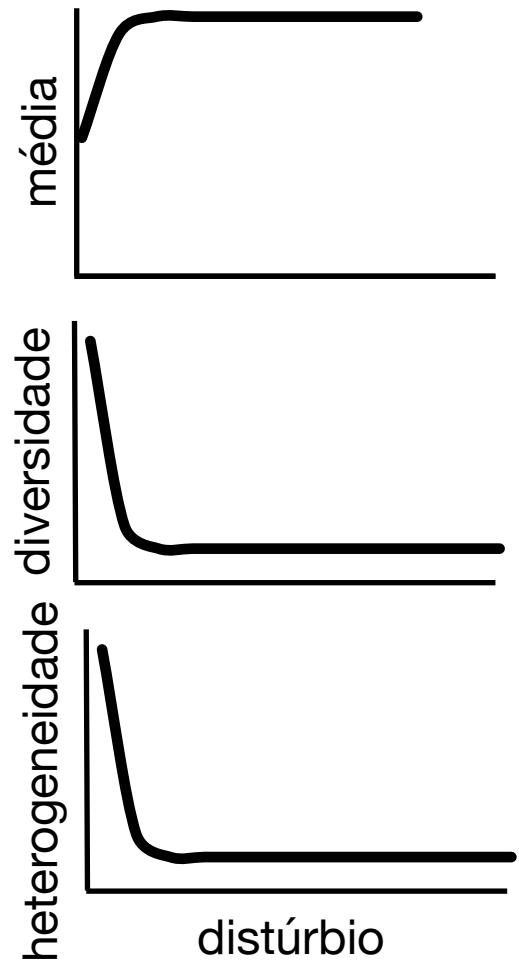
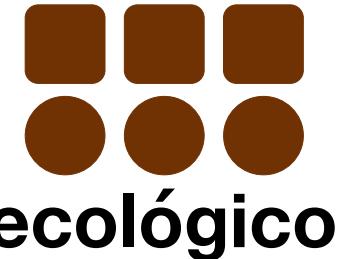
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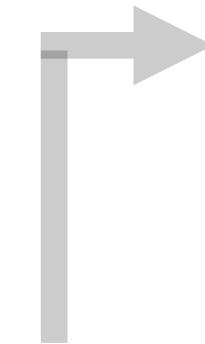
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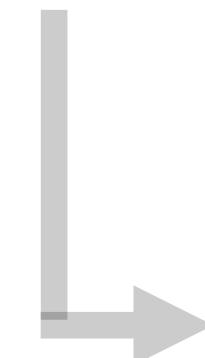
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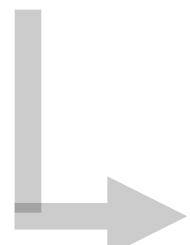
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distúrbio



redução



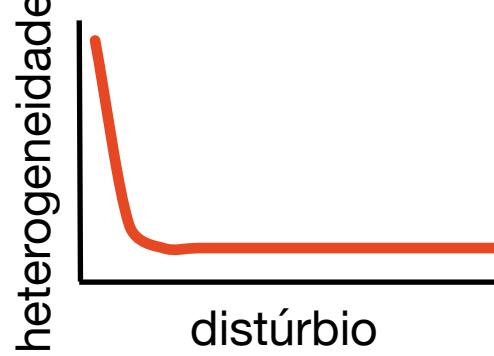
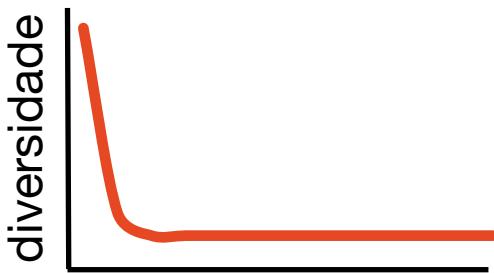
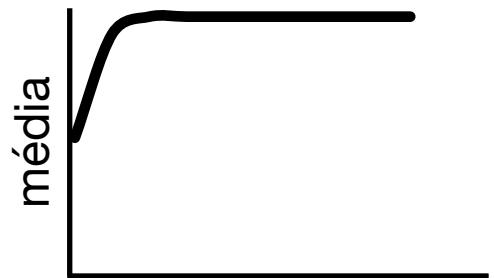
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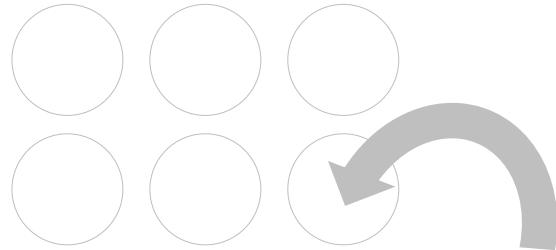
exclusão competitiva



ecológico



evolutivo

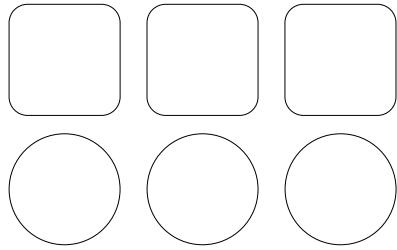


estratégia média

diversidade
de estratégias

-

ecológico

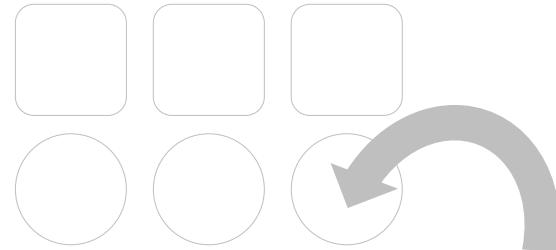


estratégia média

diversidade
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heterogeneidade
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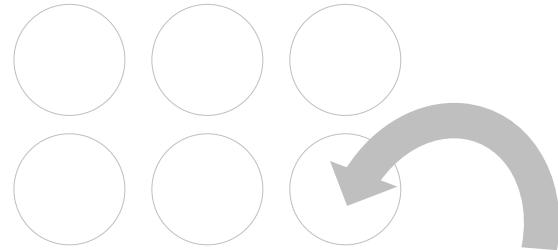


estratégia média

diversidade
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heterogeneidade
interespecífica de
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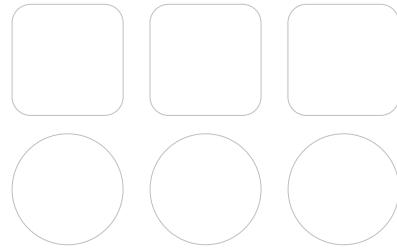


estratégia média

diversidade
de estratégias

-

ecológico

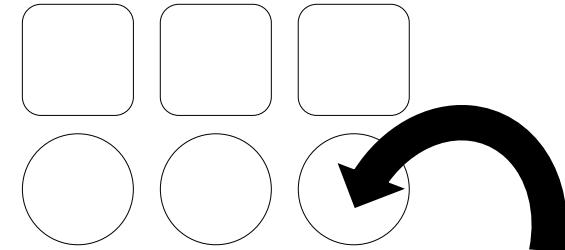


estratégia média

diversidade
de estratégias

heterogeneidade
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estratégias

eco-evolutivo



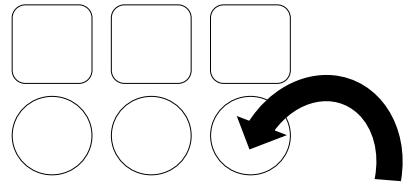
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diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

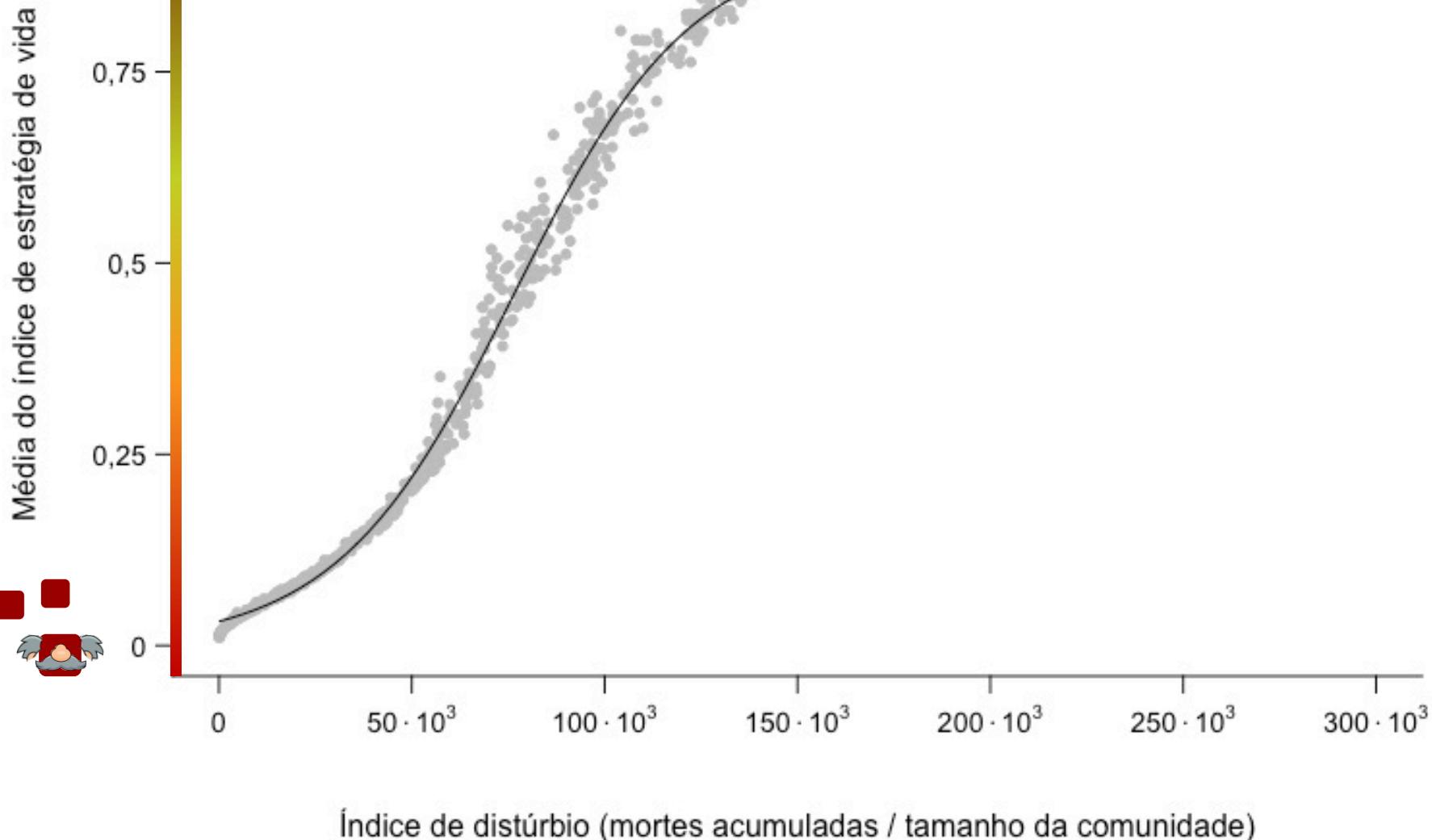


estratégia média



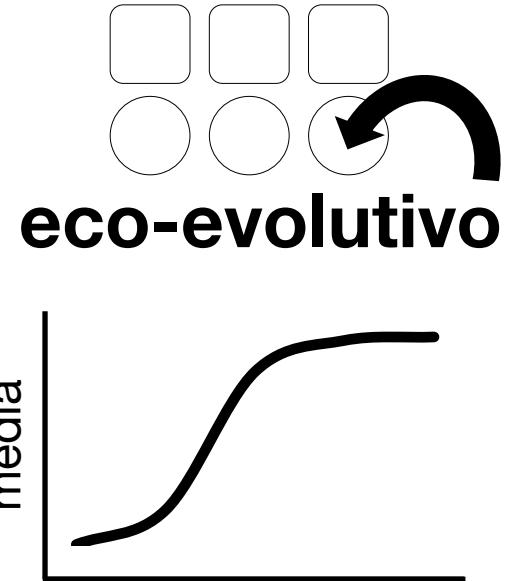
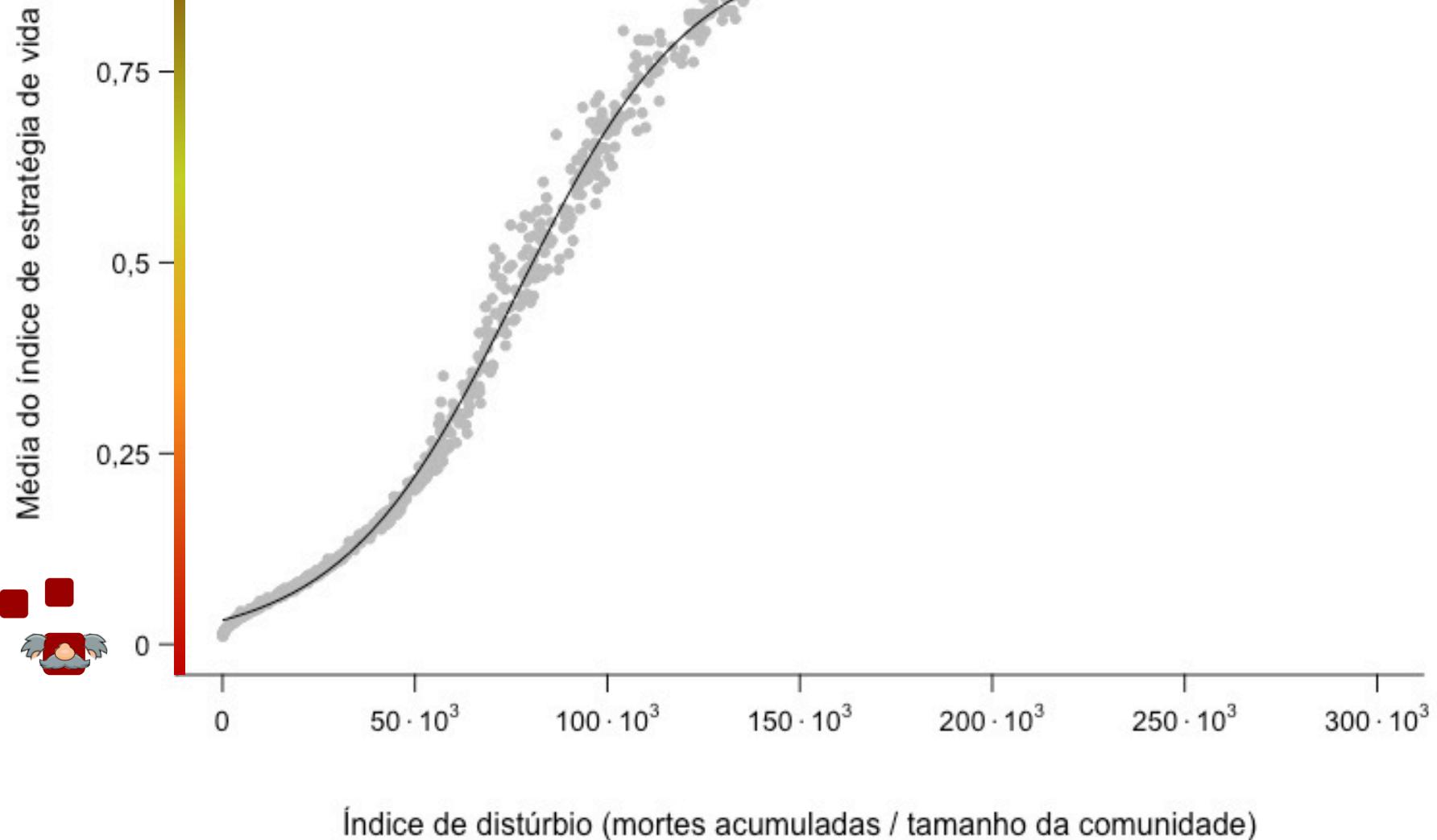
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estratégia média logístico

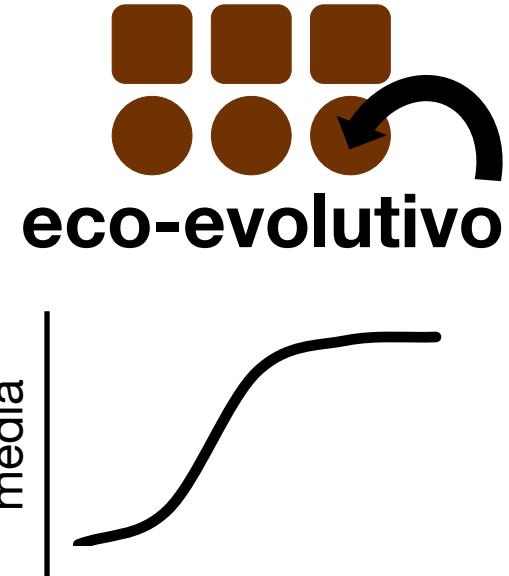
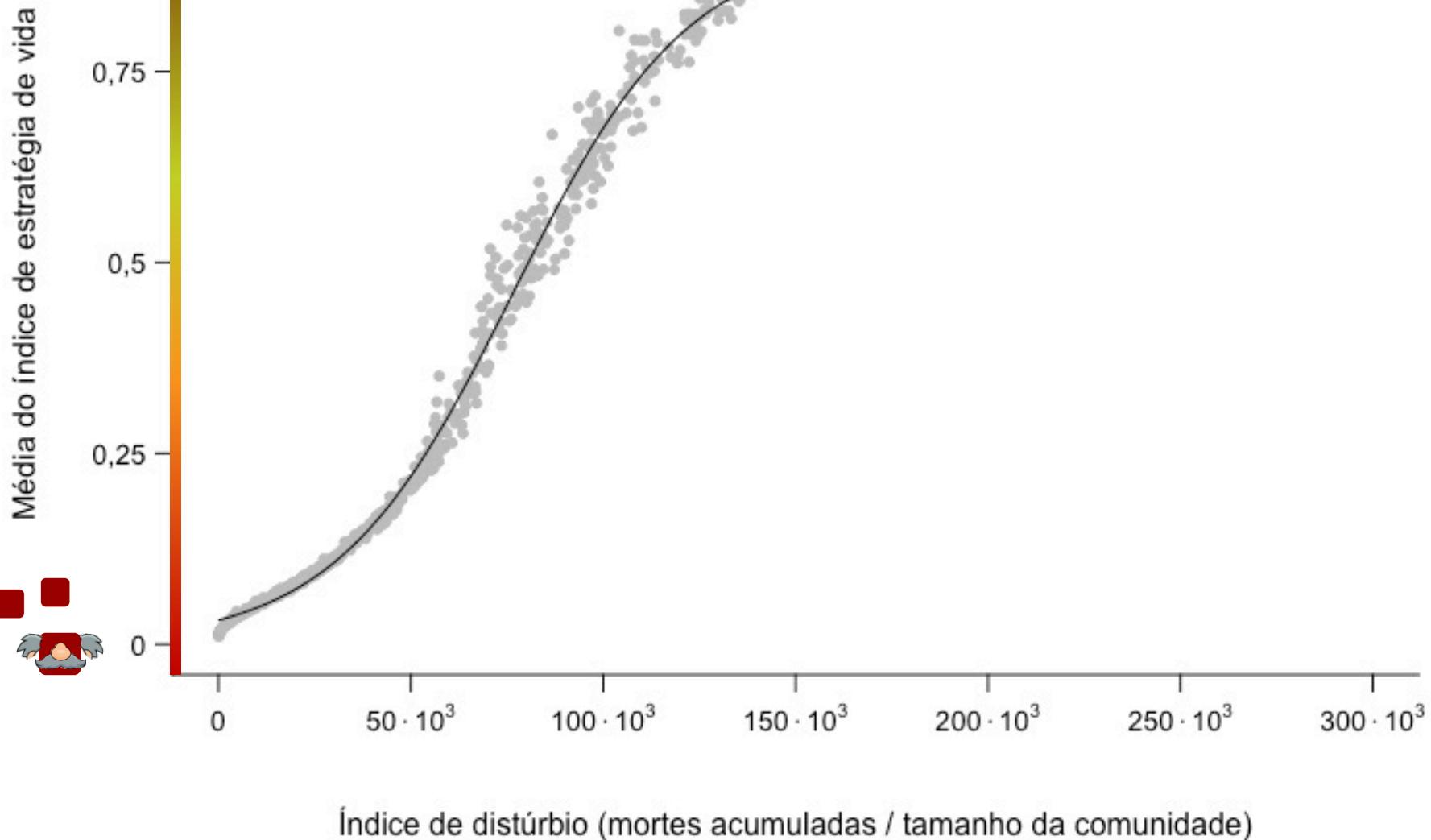


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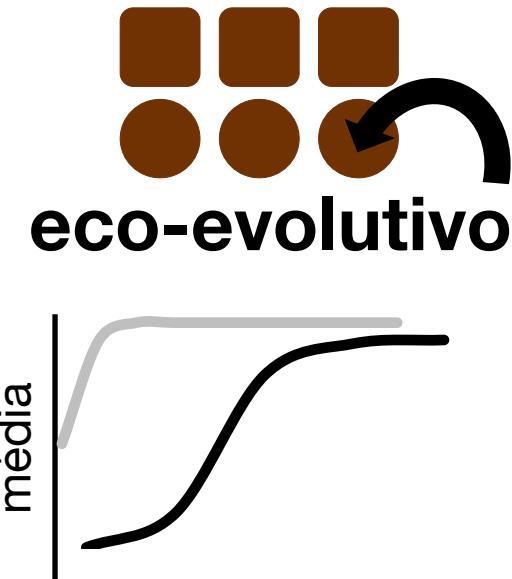
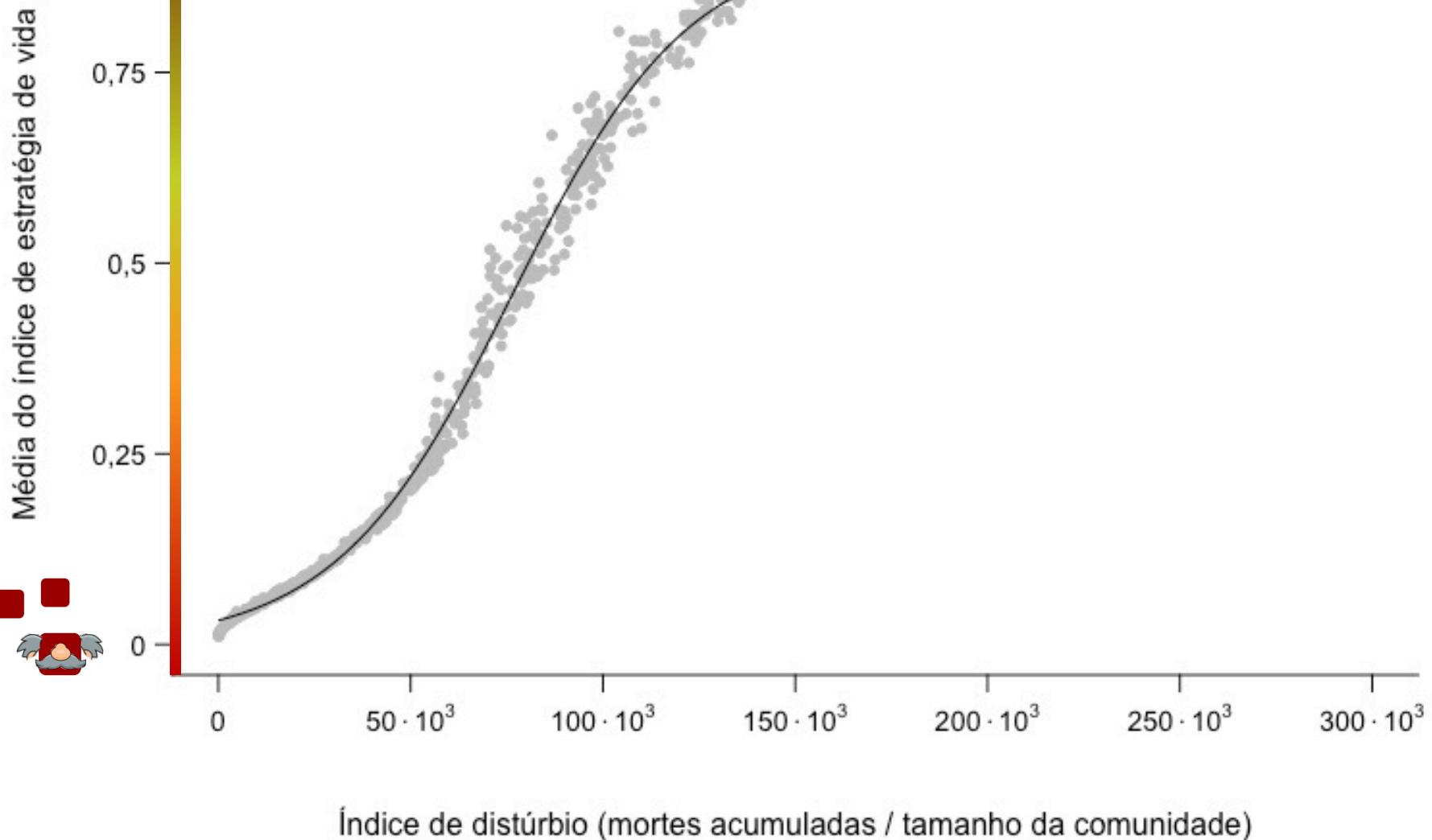
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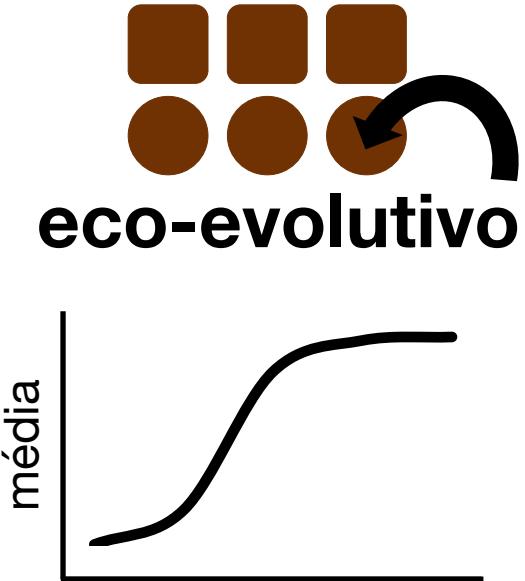
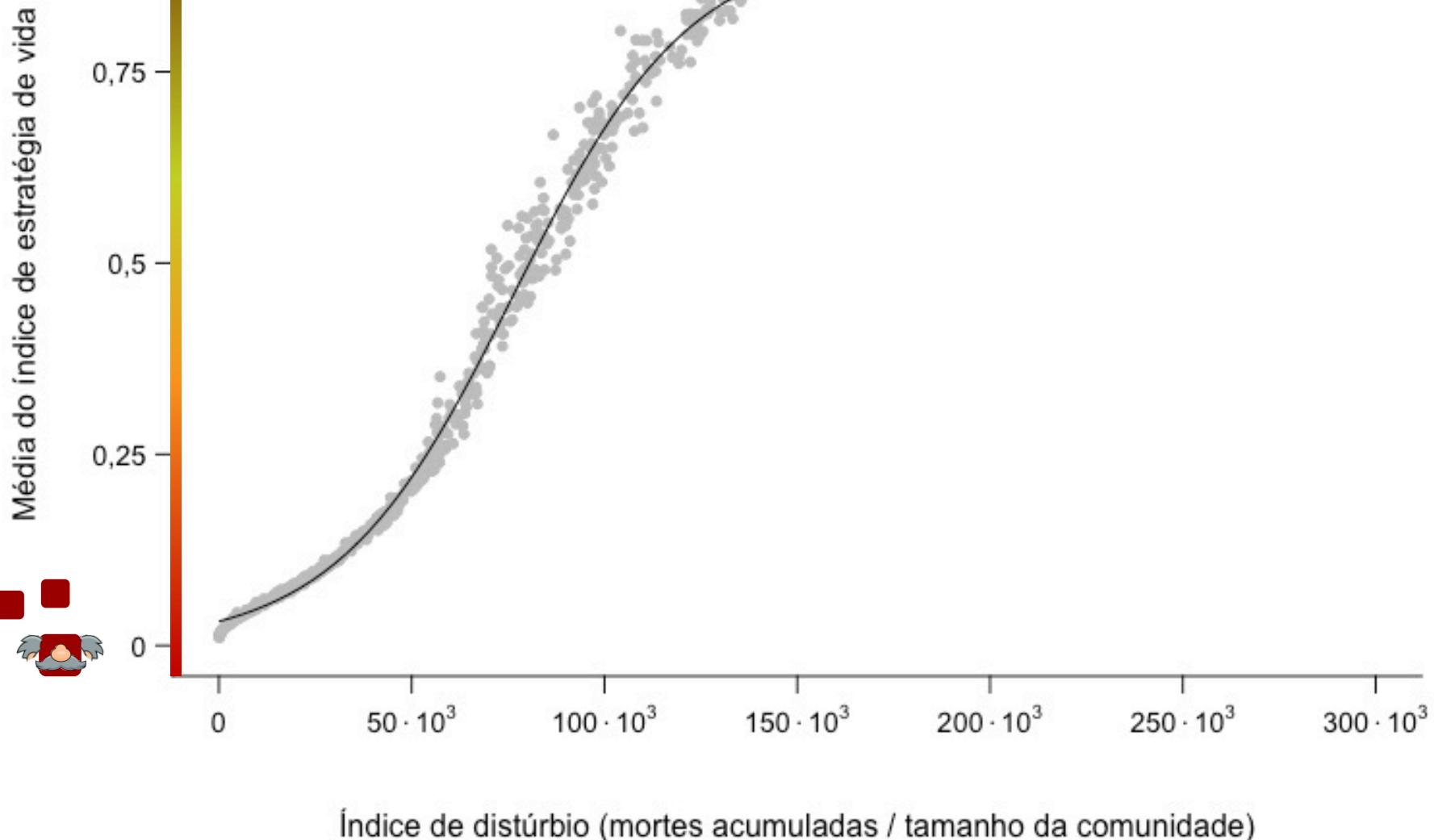
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estratégia média logístico



estratégia média logístico



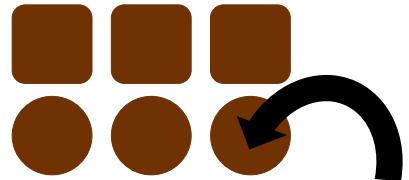
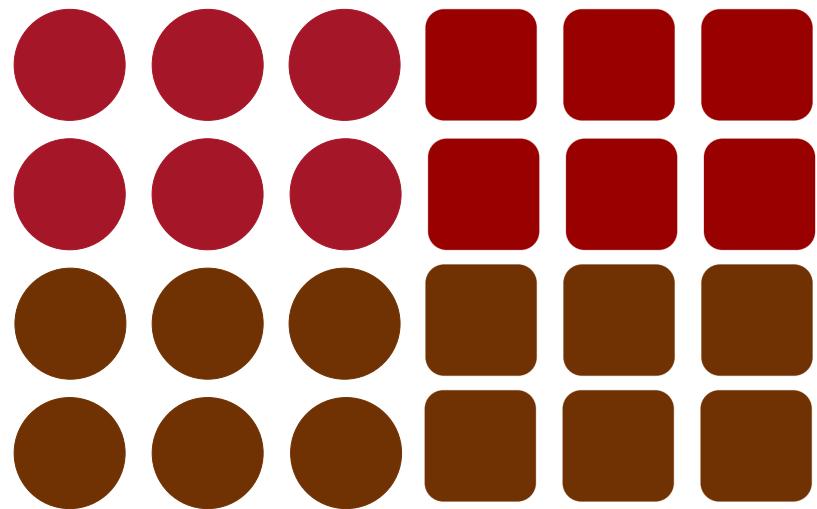
banco

x 48

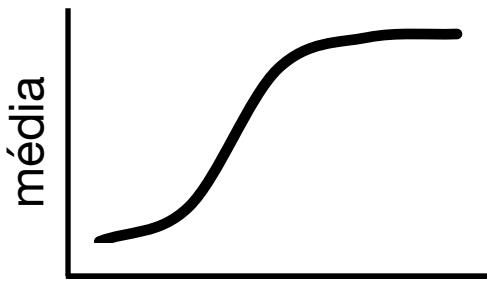
x 12

x 48

x 12



eco-evolutivo



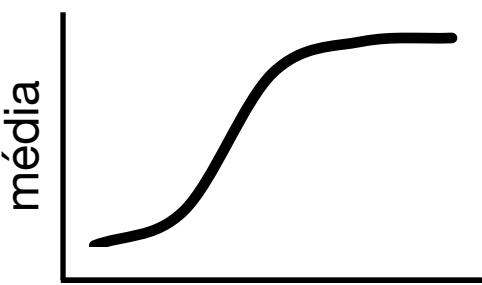
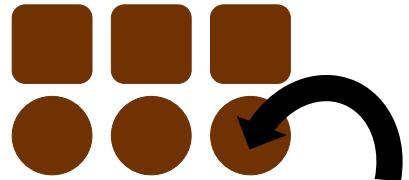
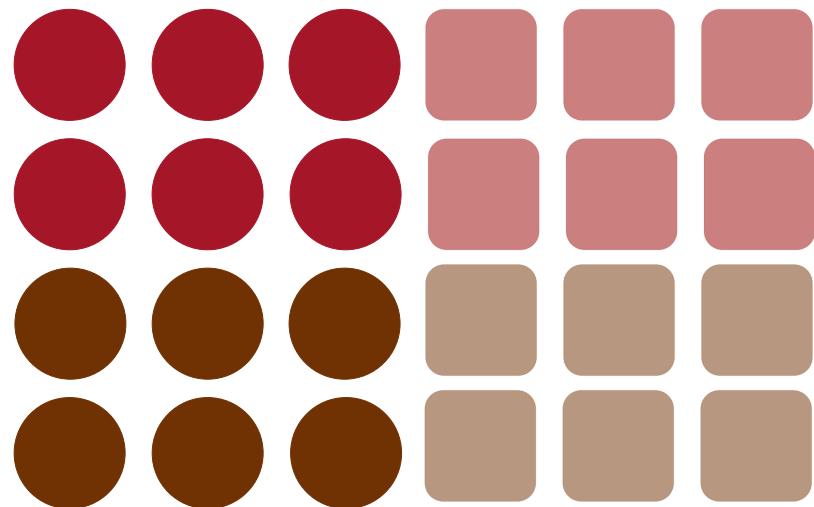
banco

x 48

x 12

x 48

x 12



seleção natural

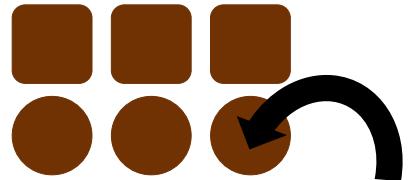
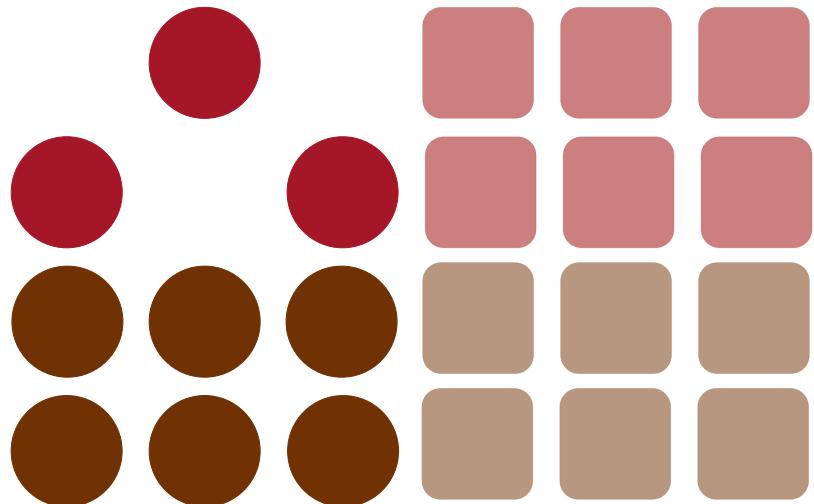
banco

x 48

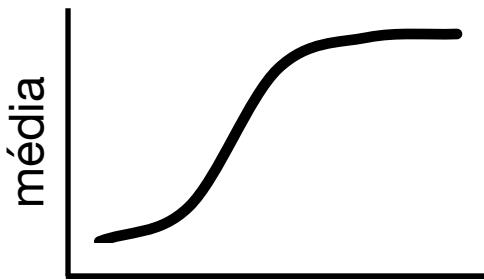
x 12

x 48

x 12



eco-evolutivo



seleção natural

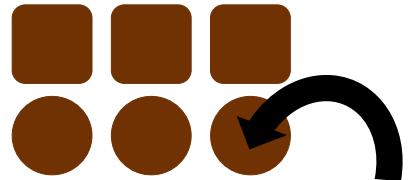
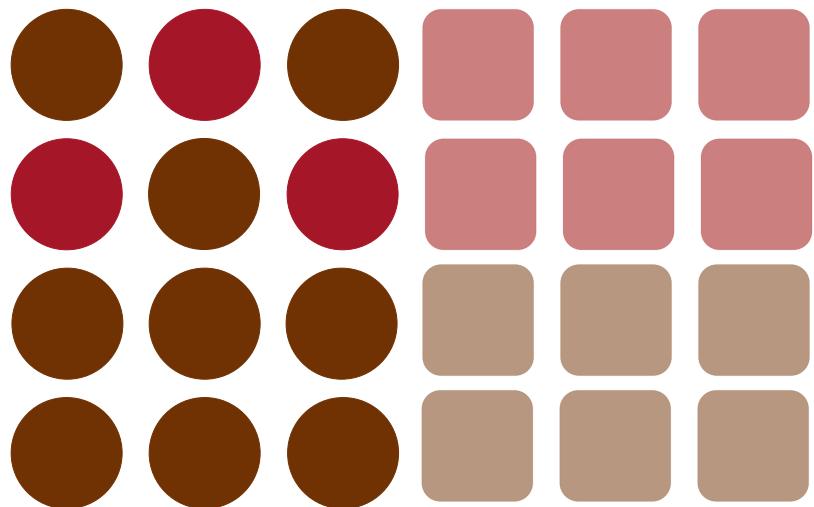
banco

x 72

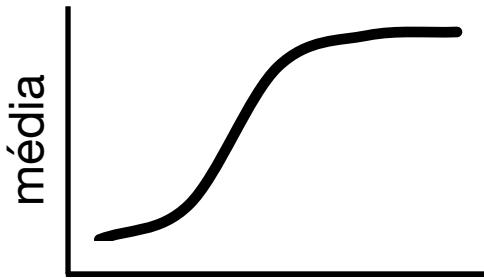
x 6

x 48

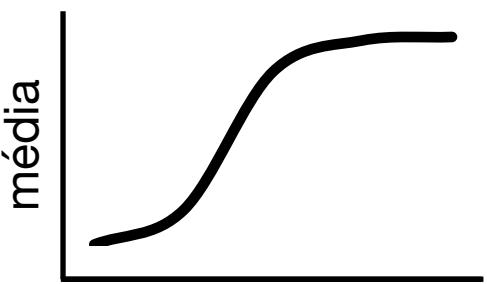
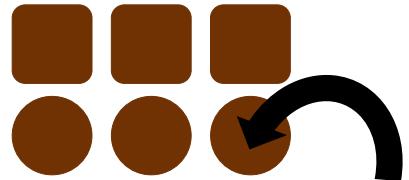
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eco-evolutivo



seleção natural + exclusão competitiva de espécies



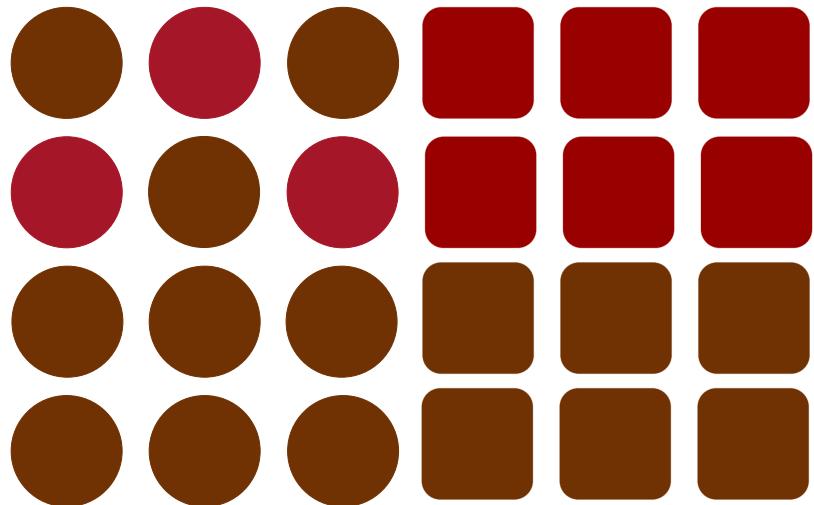
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x 72

x 6

x 48

x 12



seleção natural + exclusão competitiva de espécies

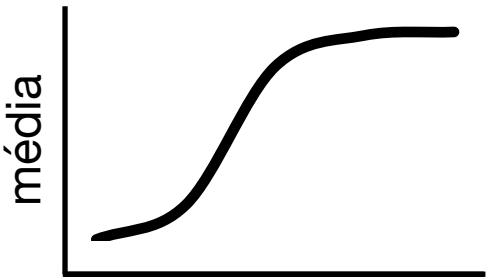
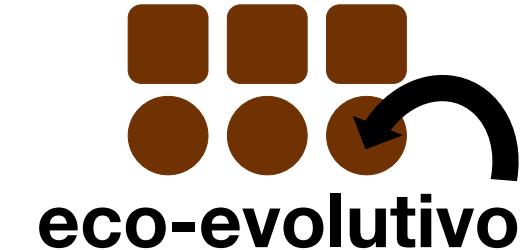
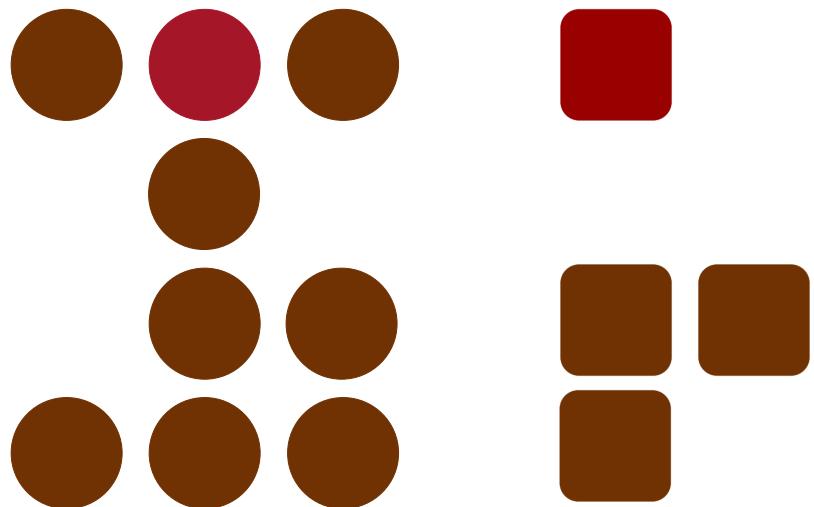
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x 72

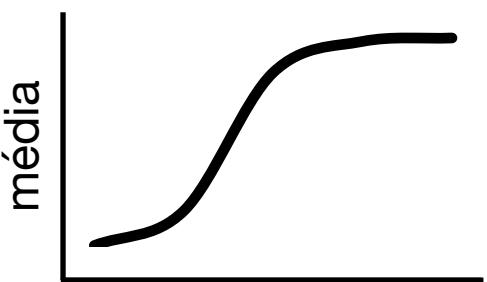
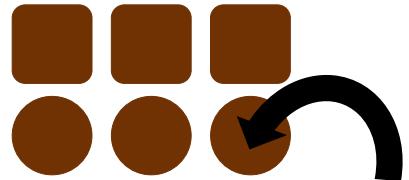
x 6

x 48

x 12



seleção natural + exclusão competitiva de espécies



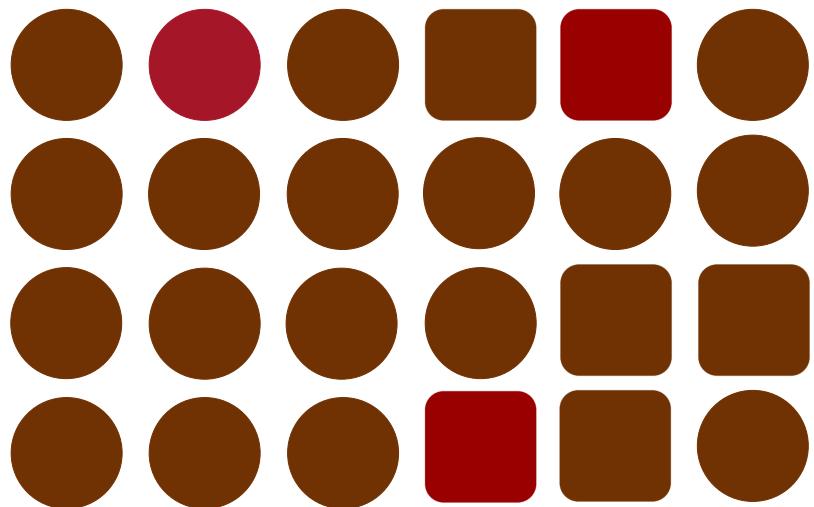
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● x 136

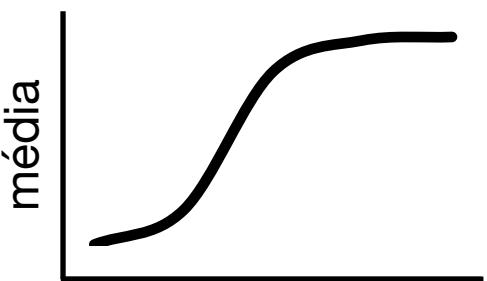
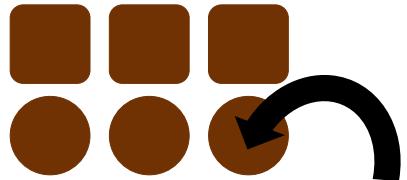
● x 2

■ x 32

■ x 4



seleção natural + exclusão competitiva de espécies



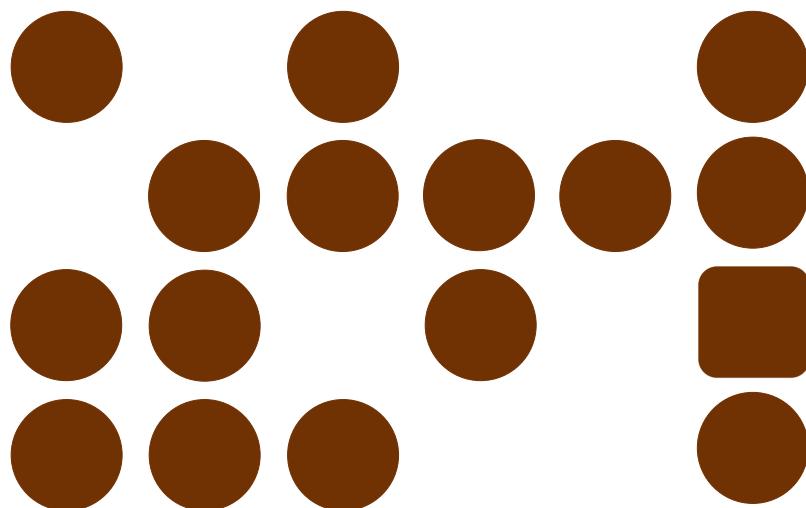
banco

x 136

x 2

x 32

x 4

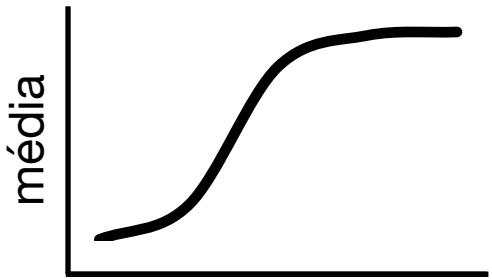
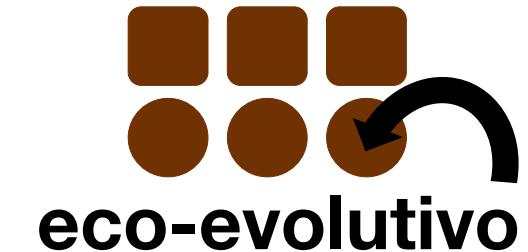
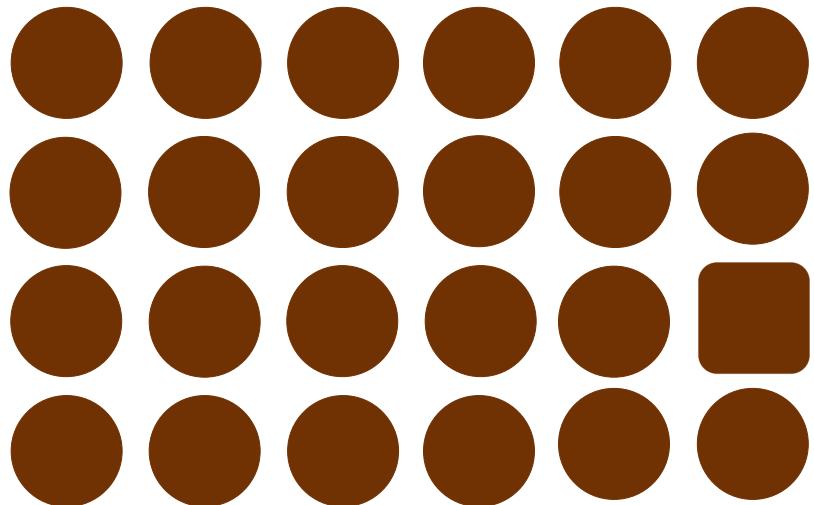


seleção natural + exclusão competitiva de espécies

banco

● x 184

■ x 8

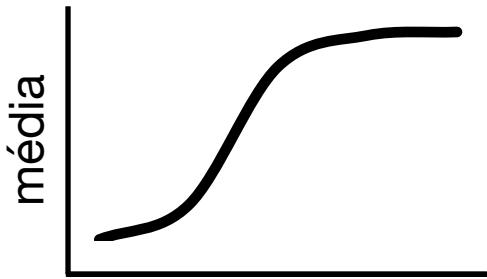
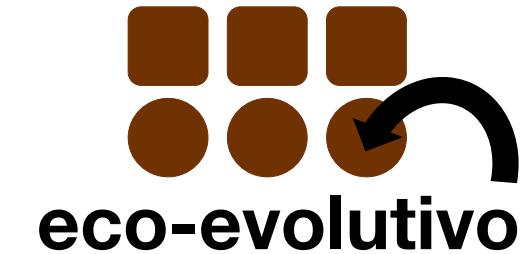
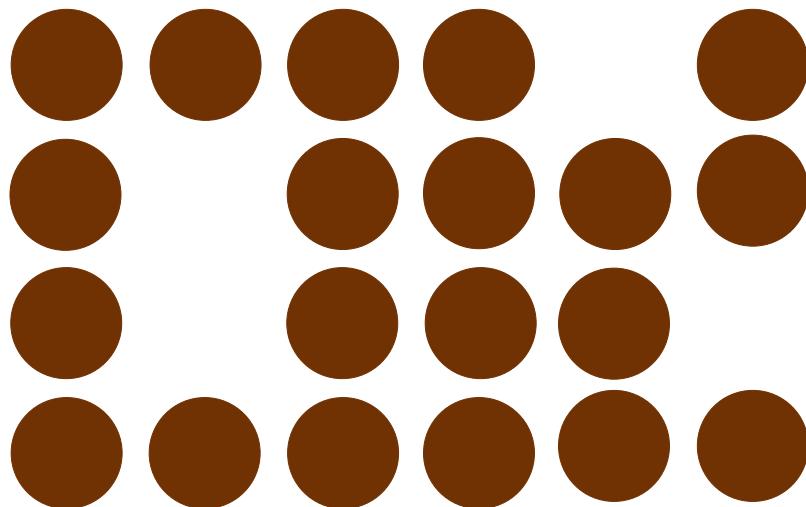


seleção natural + exclusão competitiva de espécies

banco

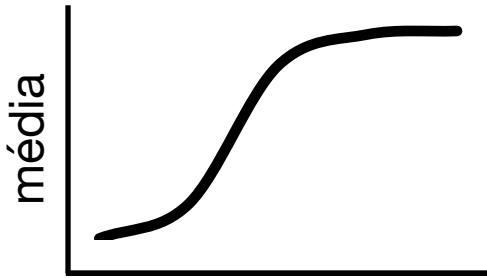
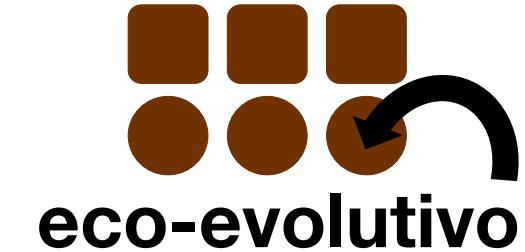
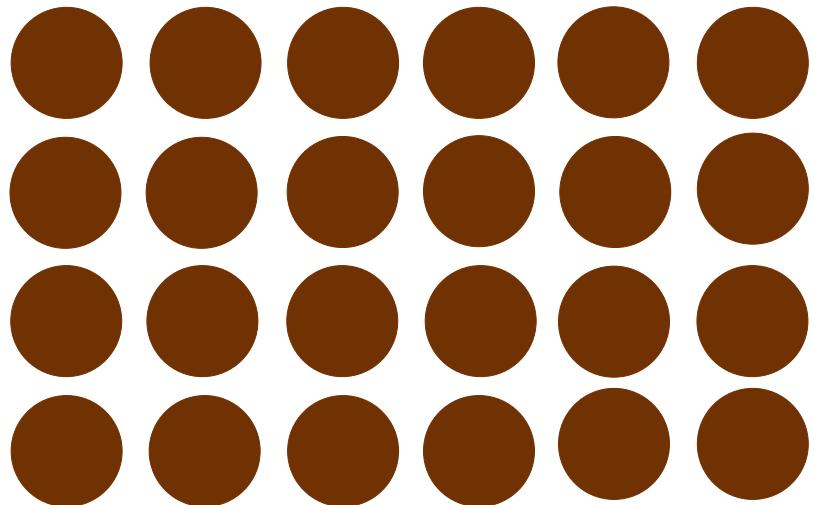
● x 184

■ x 8

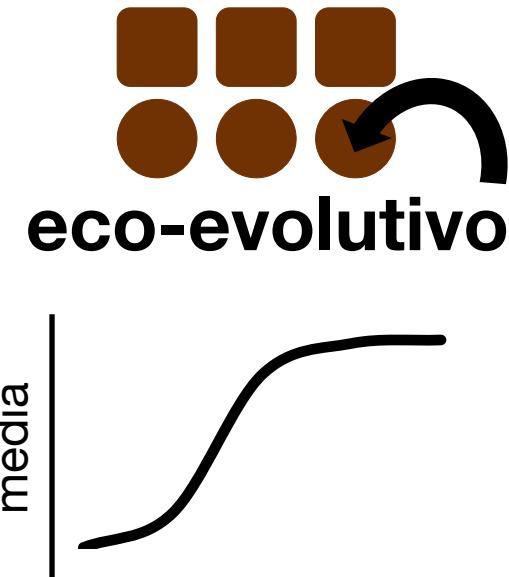
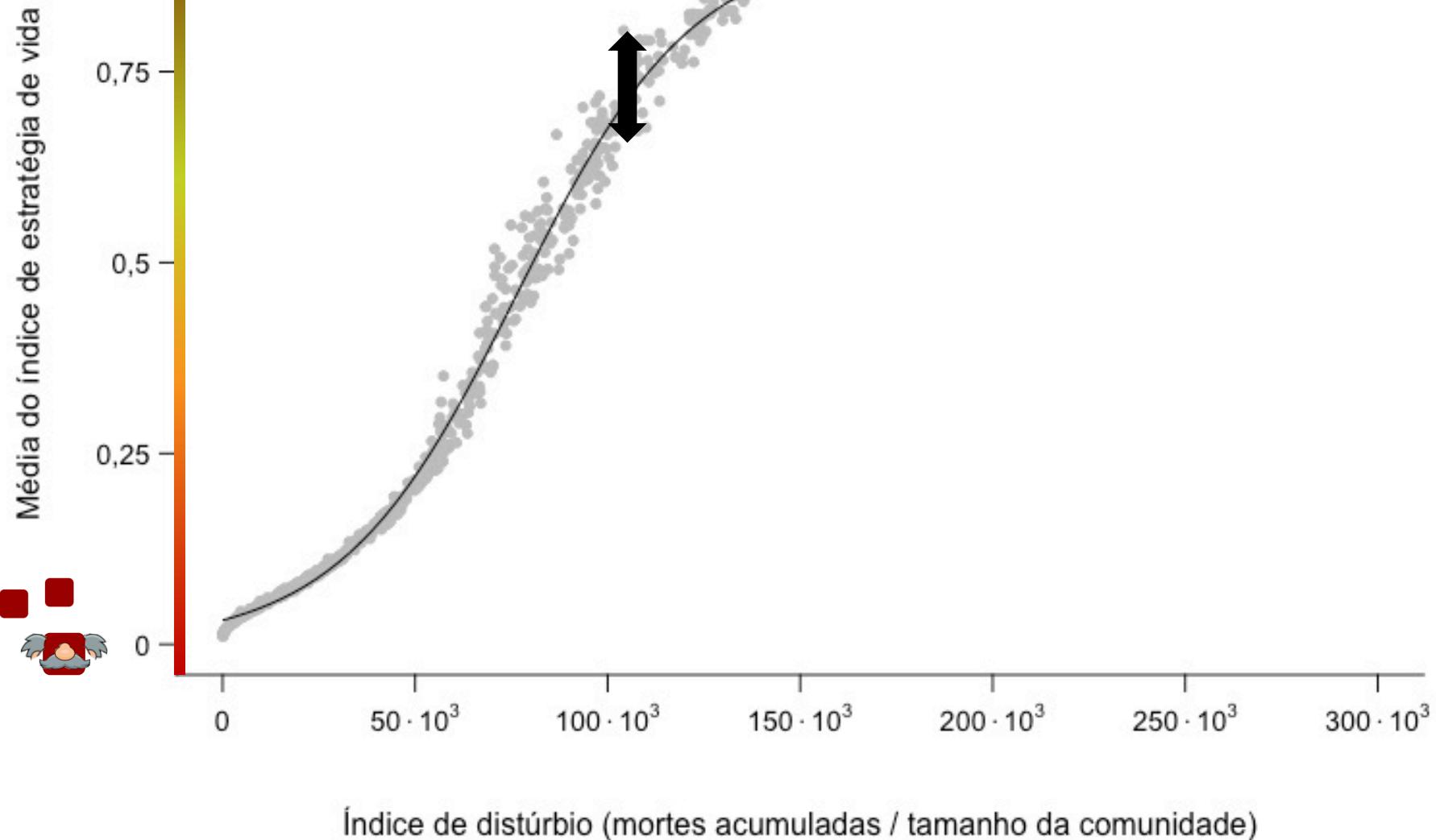


seleção natural + exclusão competitiva de espécies

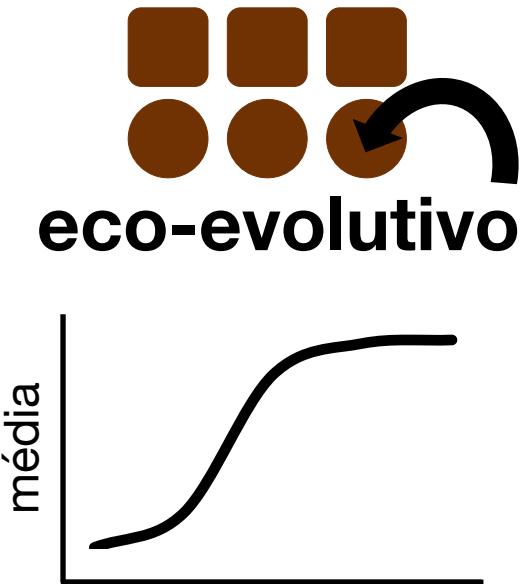
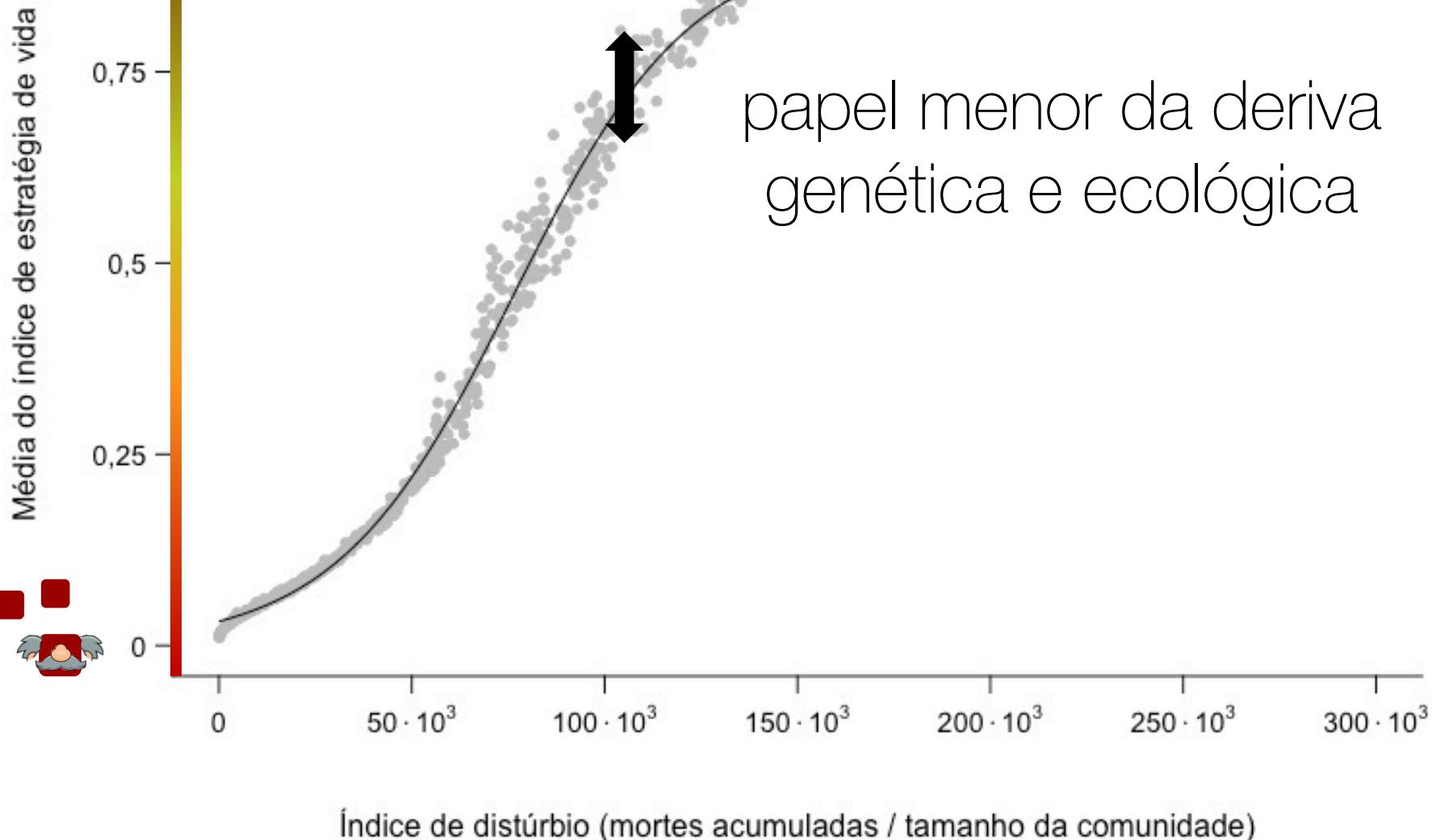
banco
 x 192



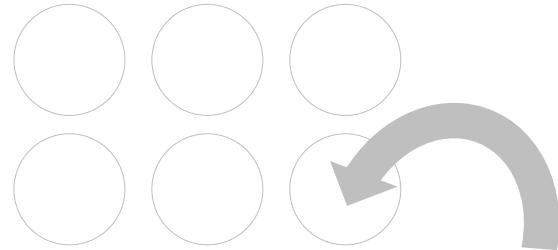
estratégia média



estratégia média



evolutivo

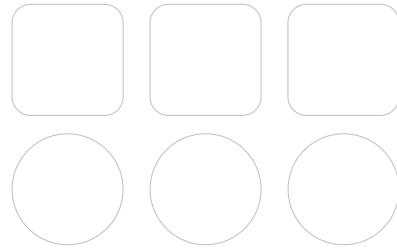


estratégia média

diversidade
de estratégias

-

ecológico

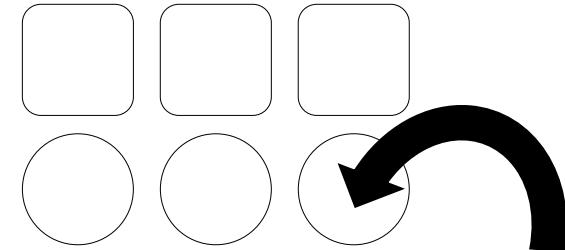


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diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

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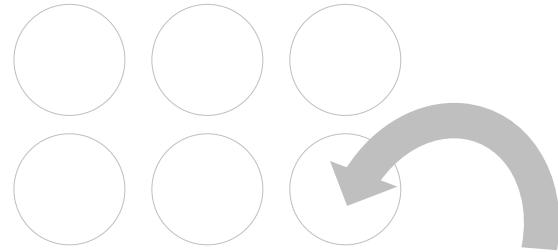


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
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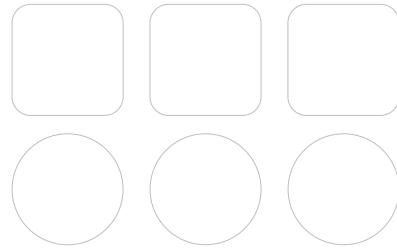


estratégia média

diversidade
de estratégias

-

ecológico

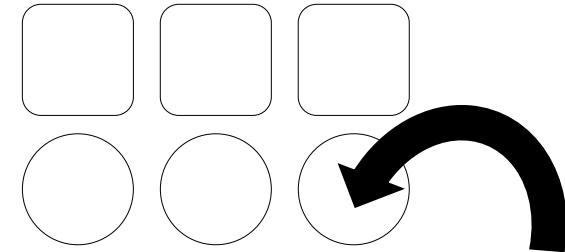


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
estratégias

eco-evolutivo

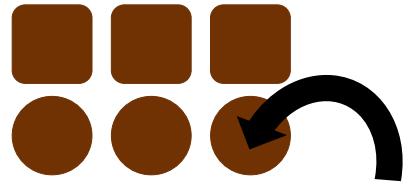


estratégia média

diversidade
de estratégias

heterogeneidade
interespecífica de
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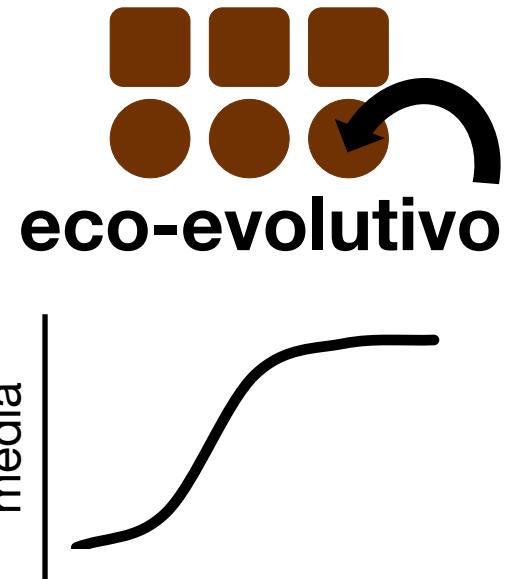
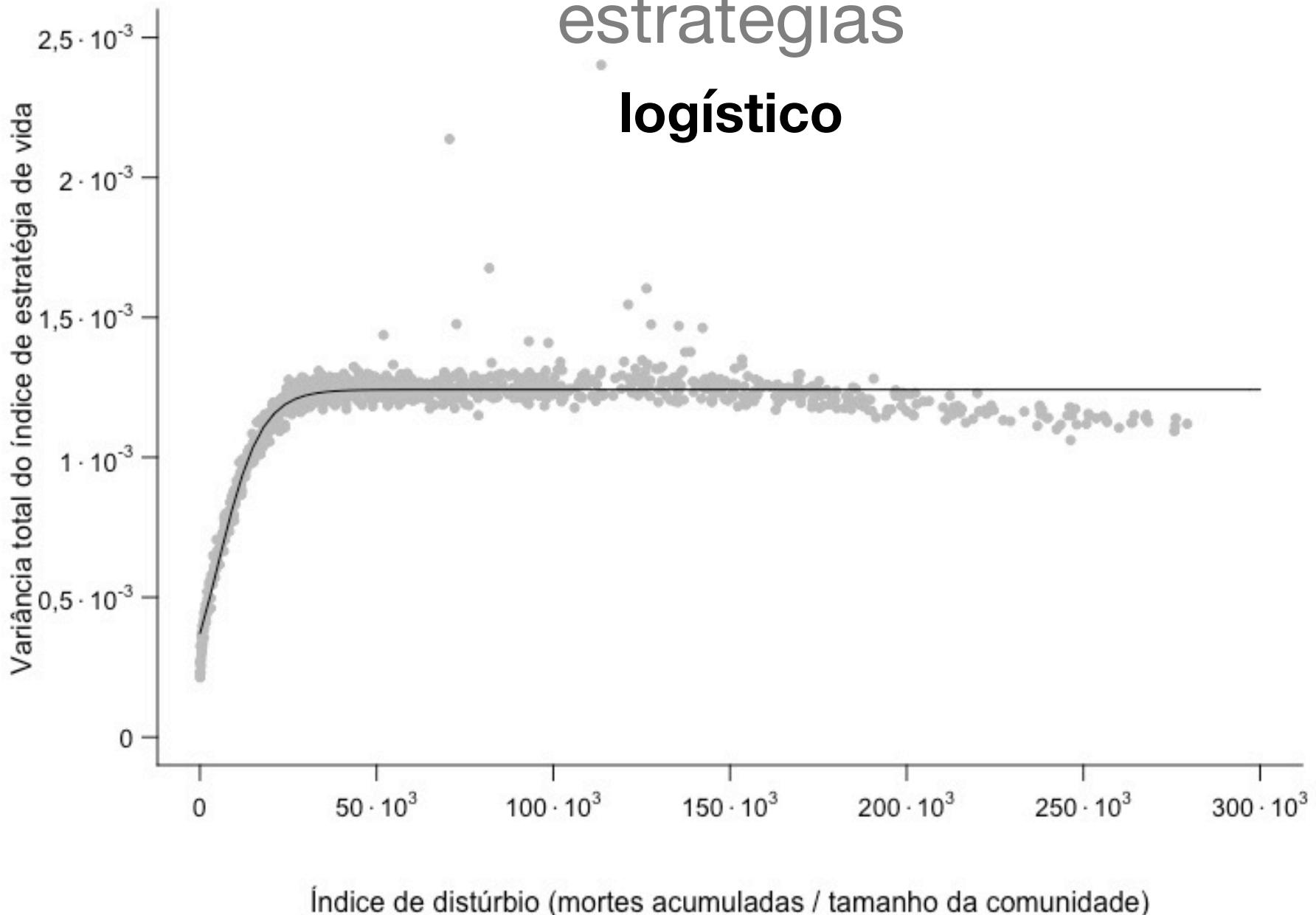
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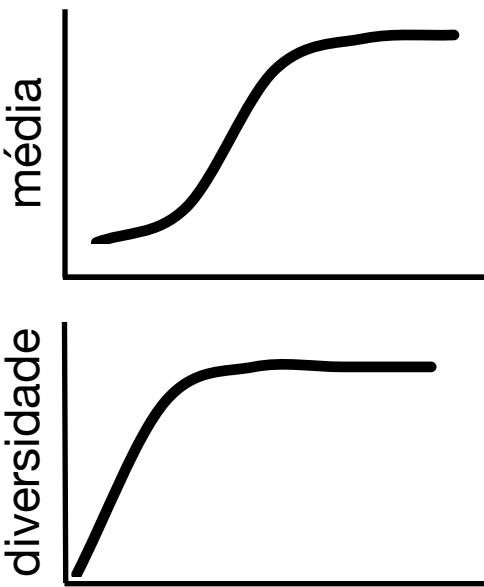
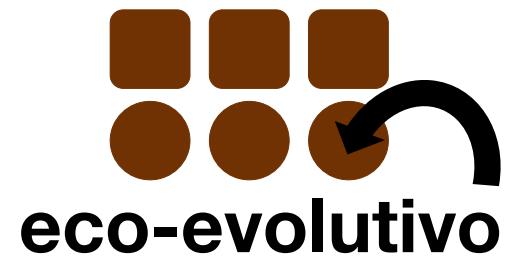
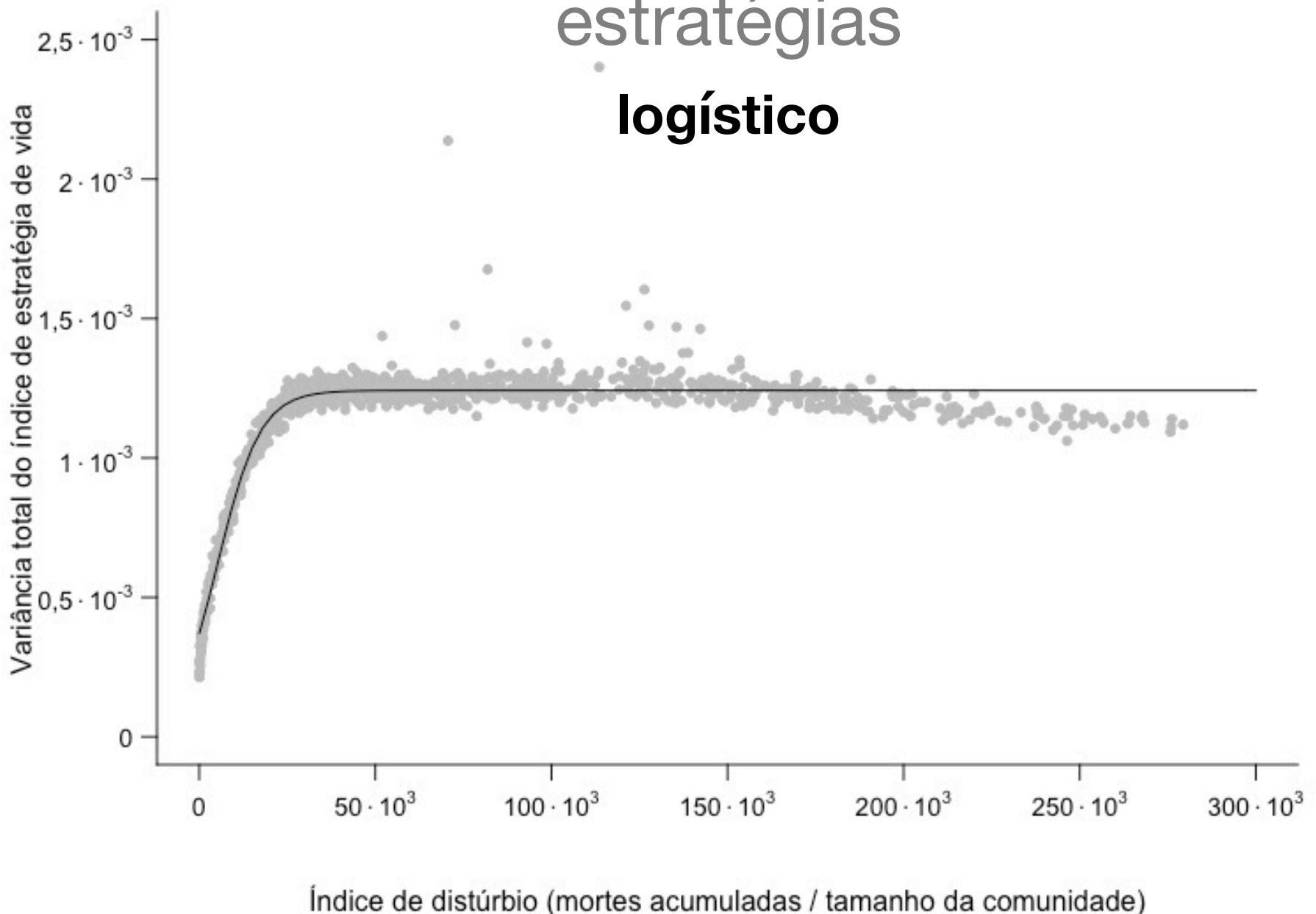
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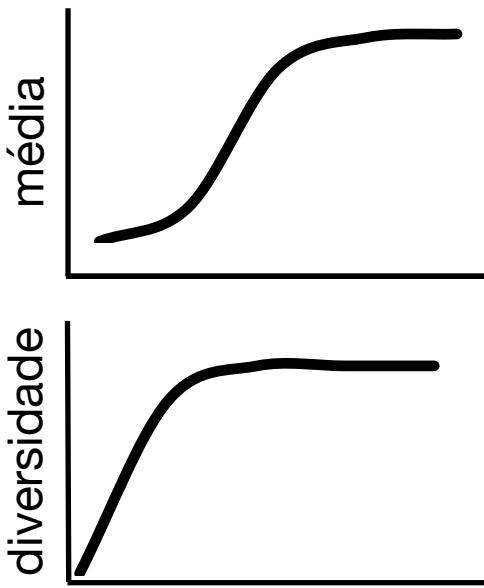
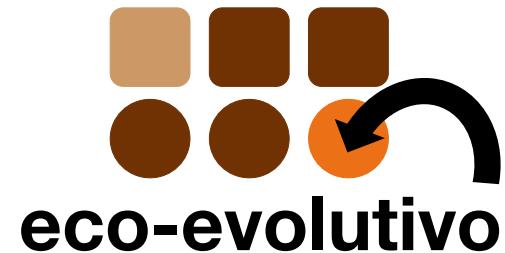
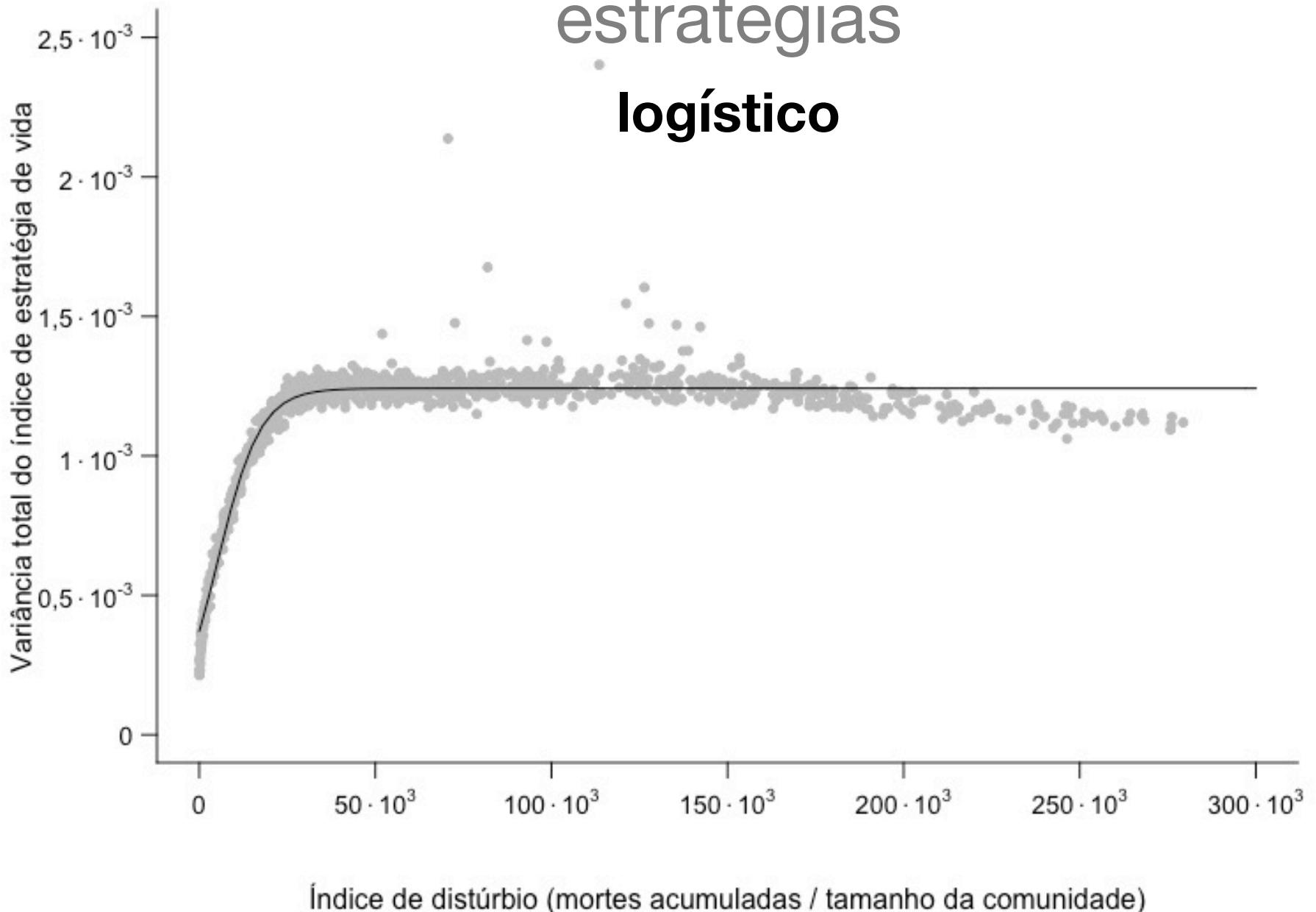
diversidade de estratégias **logístico**



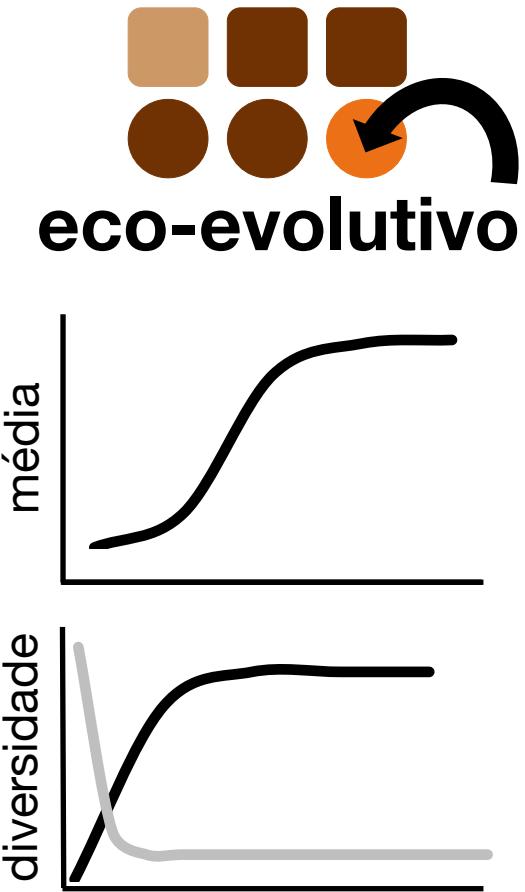
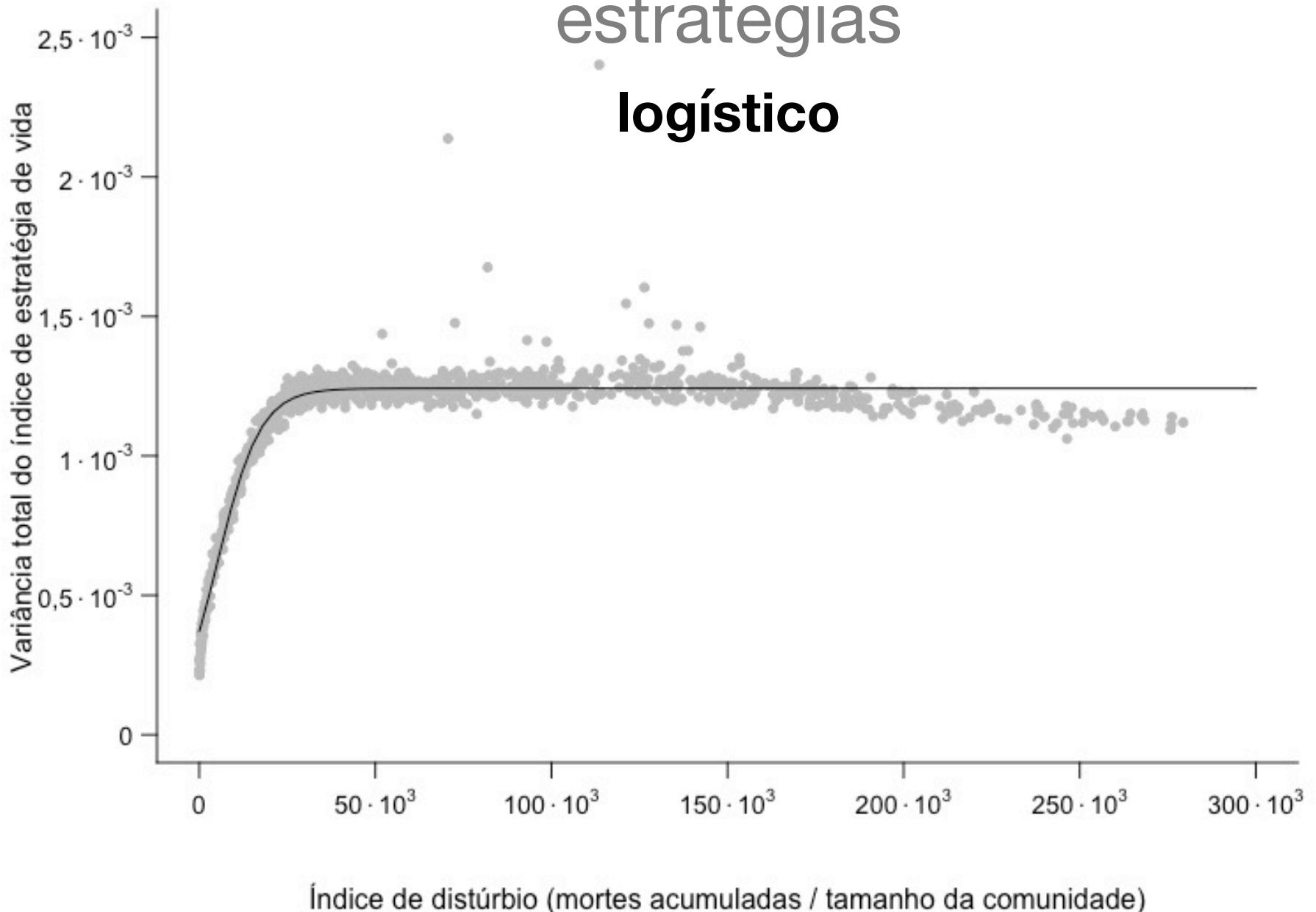
diversidade de estratégias **logístico**



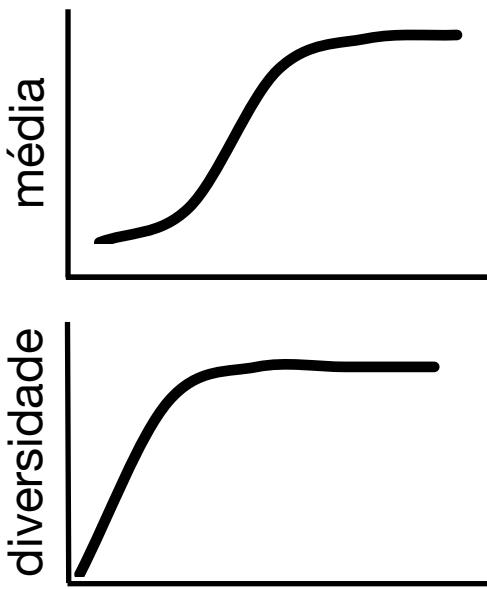
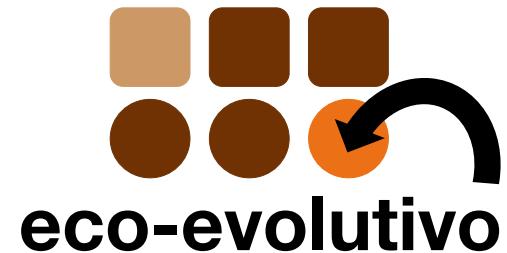
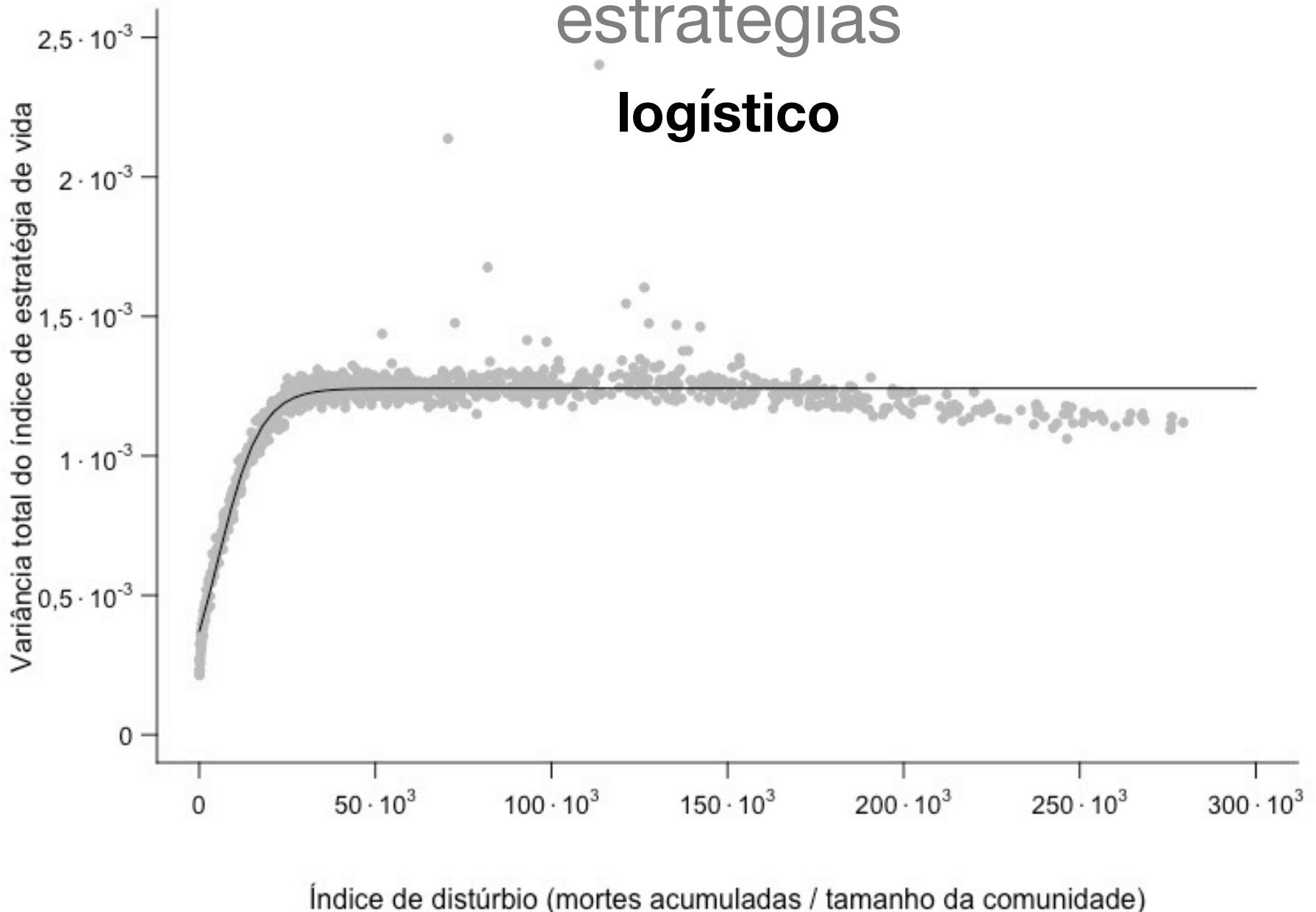
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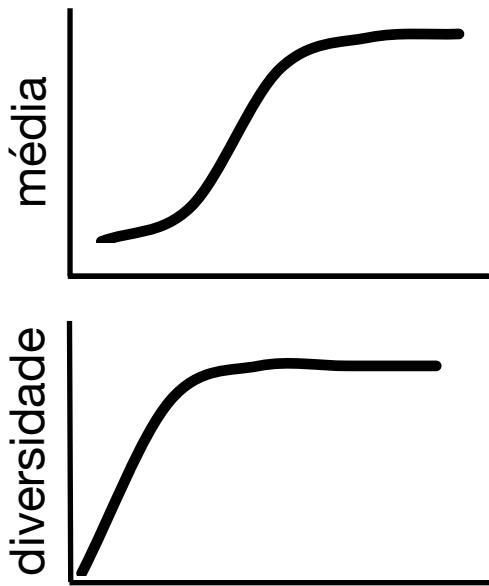
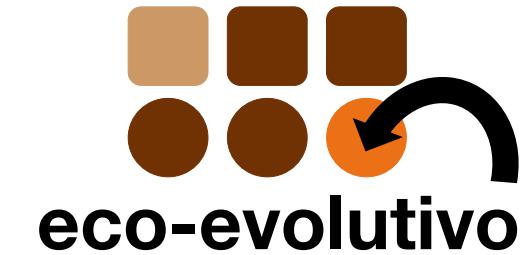
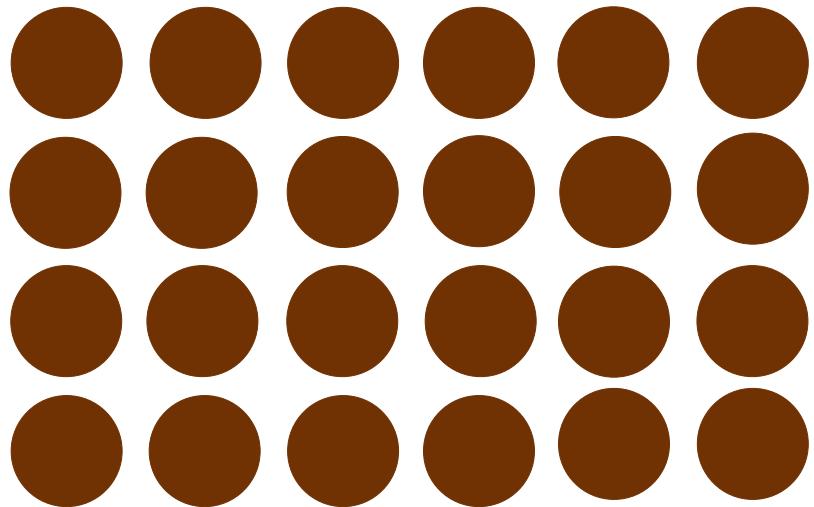
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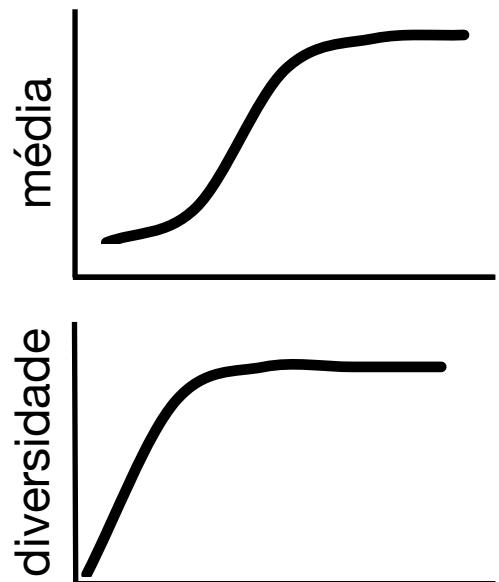
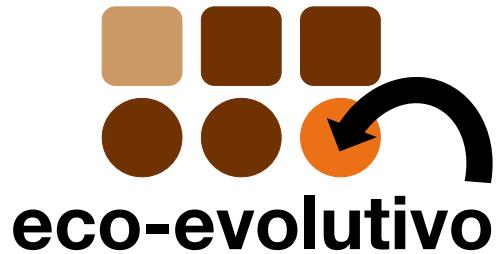
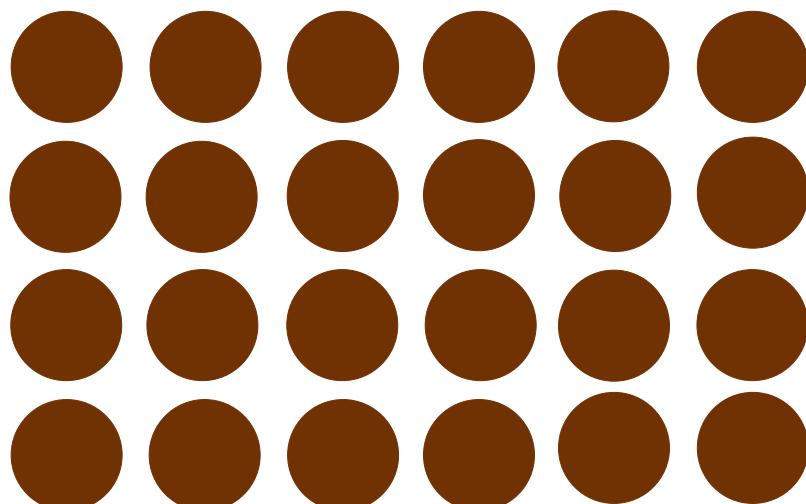
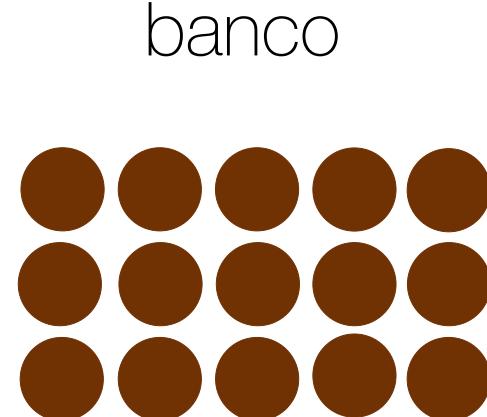


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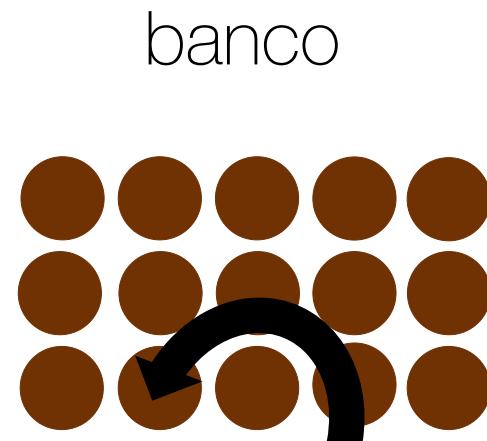


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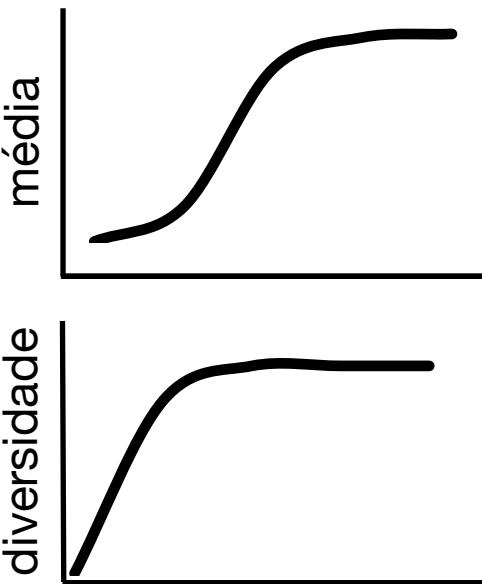
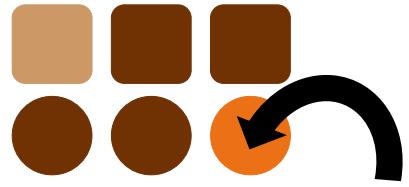
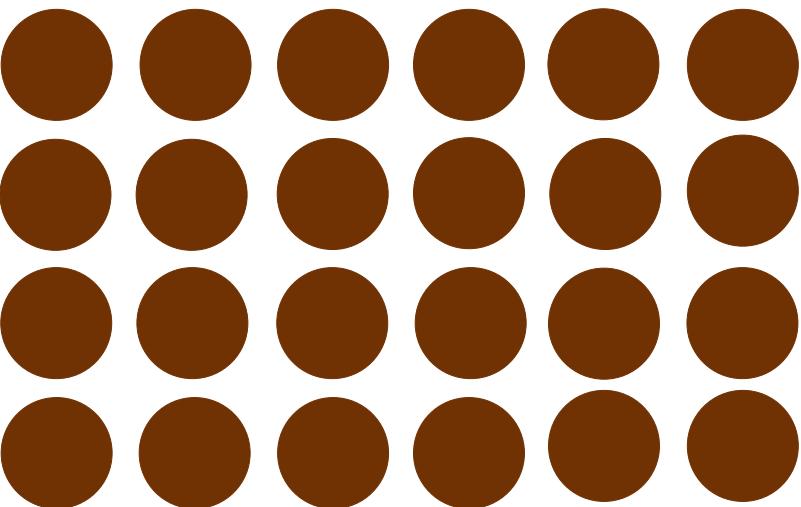




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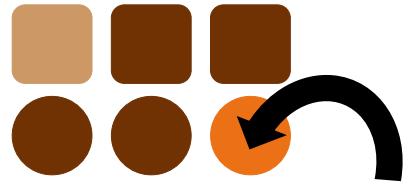
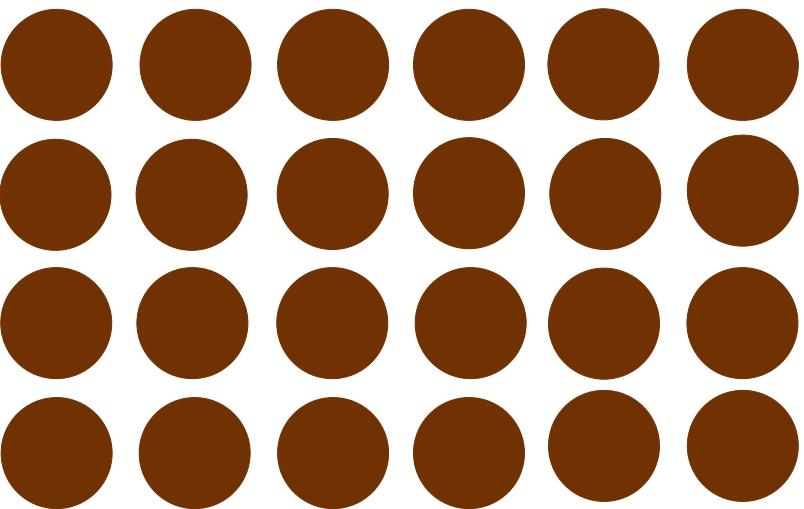
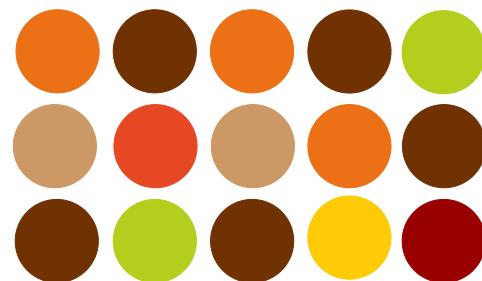


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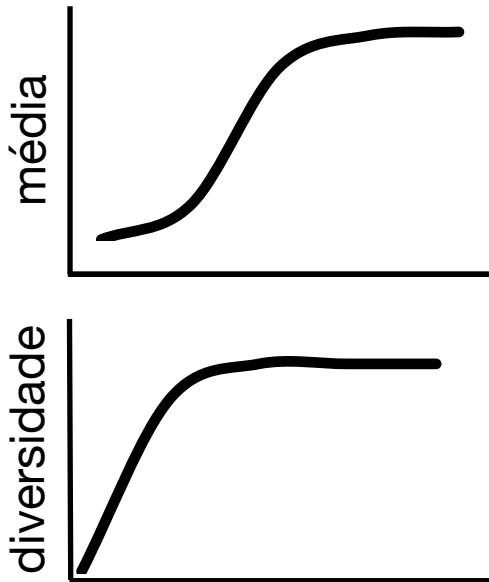


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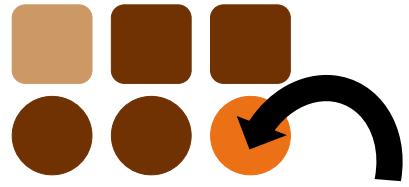
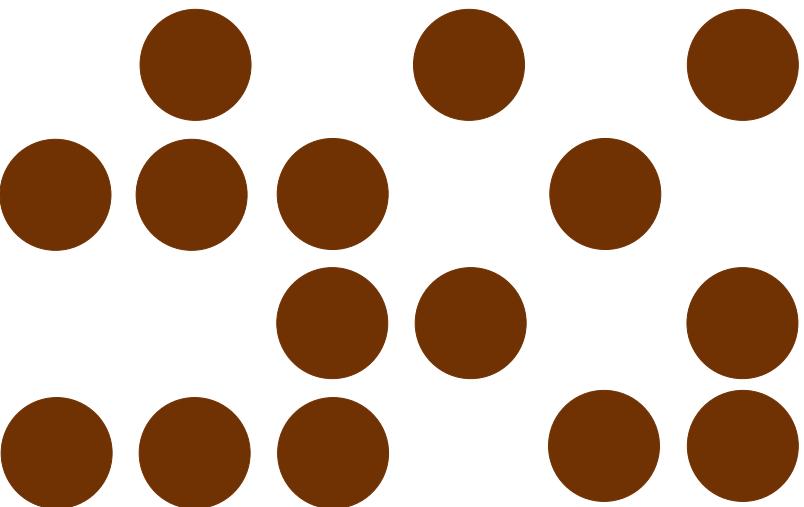
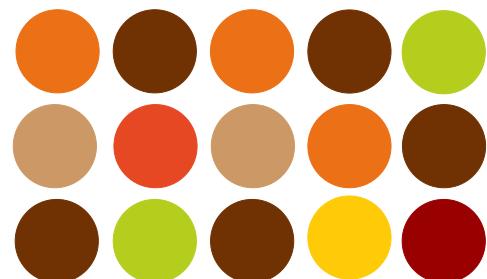


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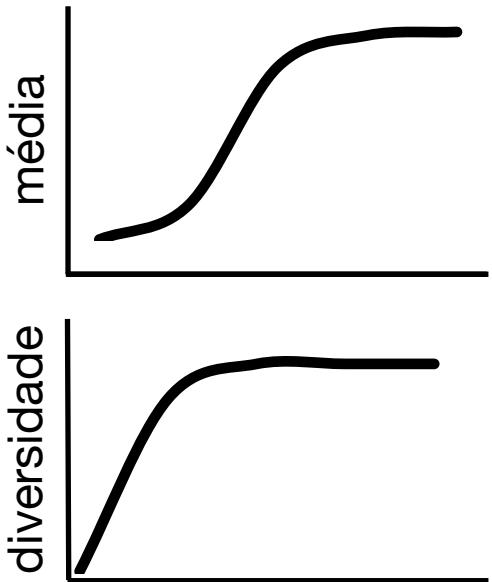


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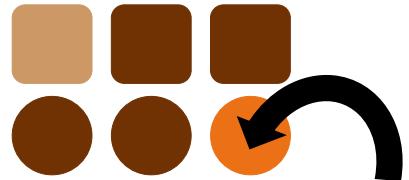
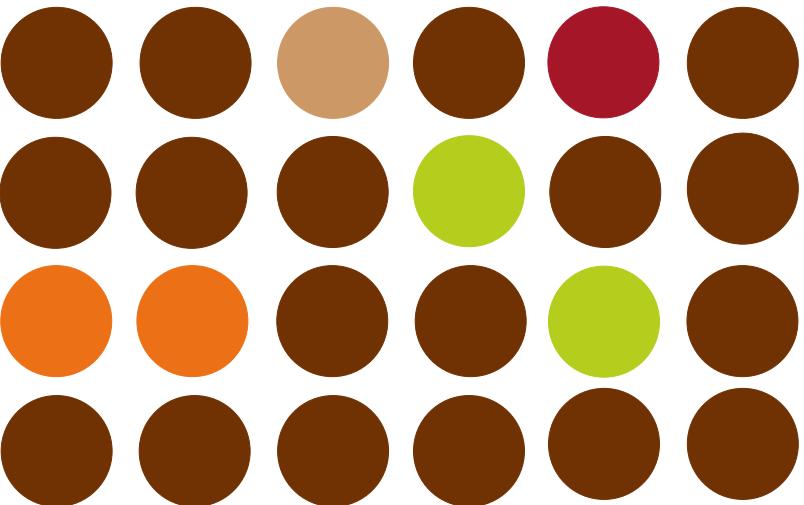
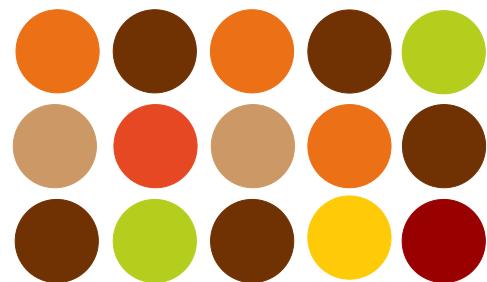


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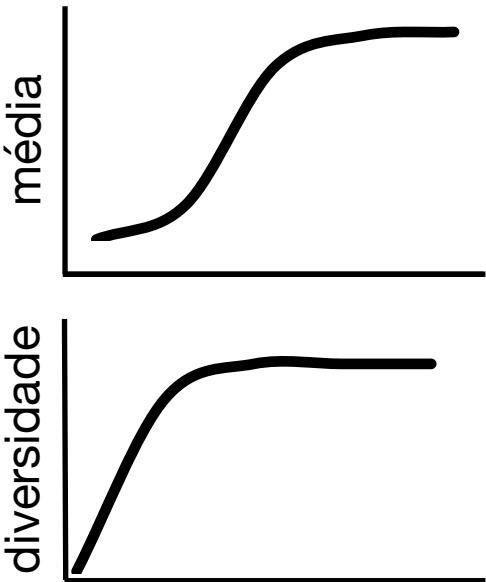


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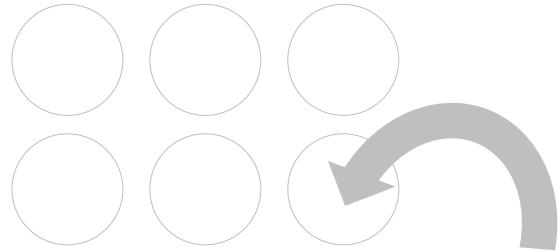
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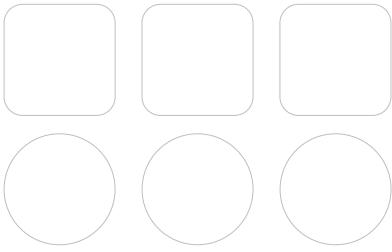


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diversidade
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ecológico

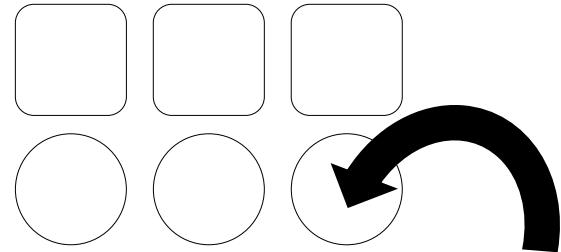


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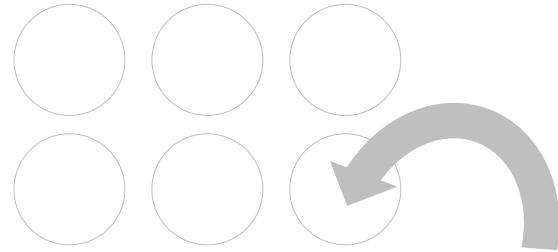


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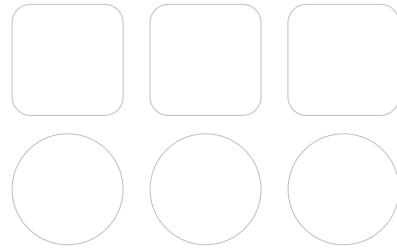


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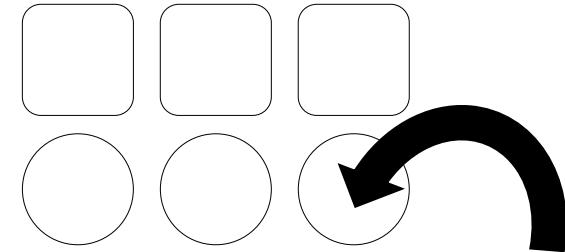


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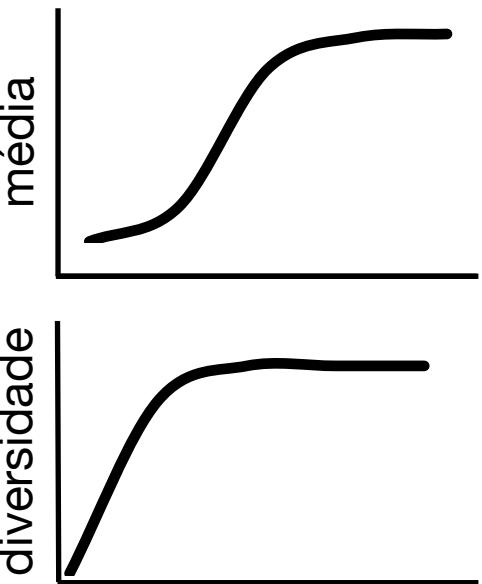
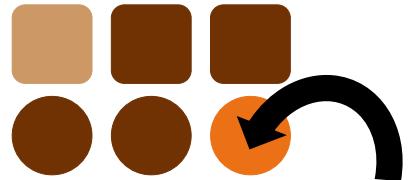


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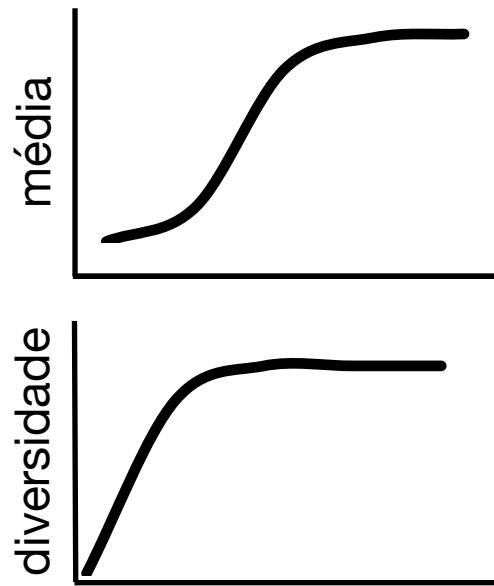
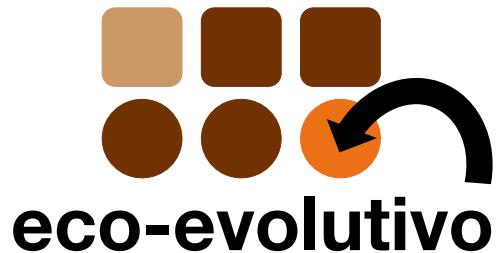
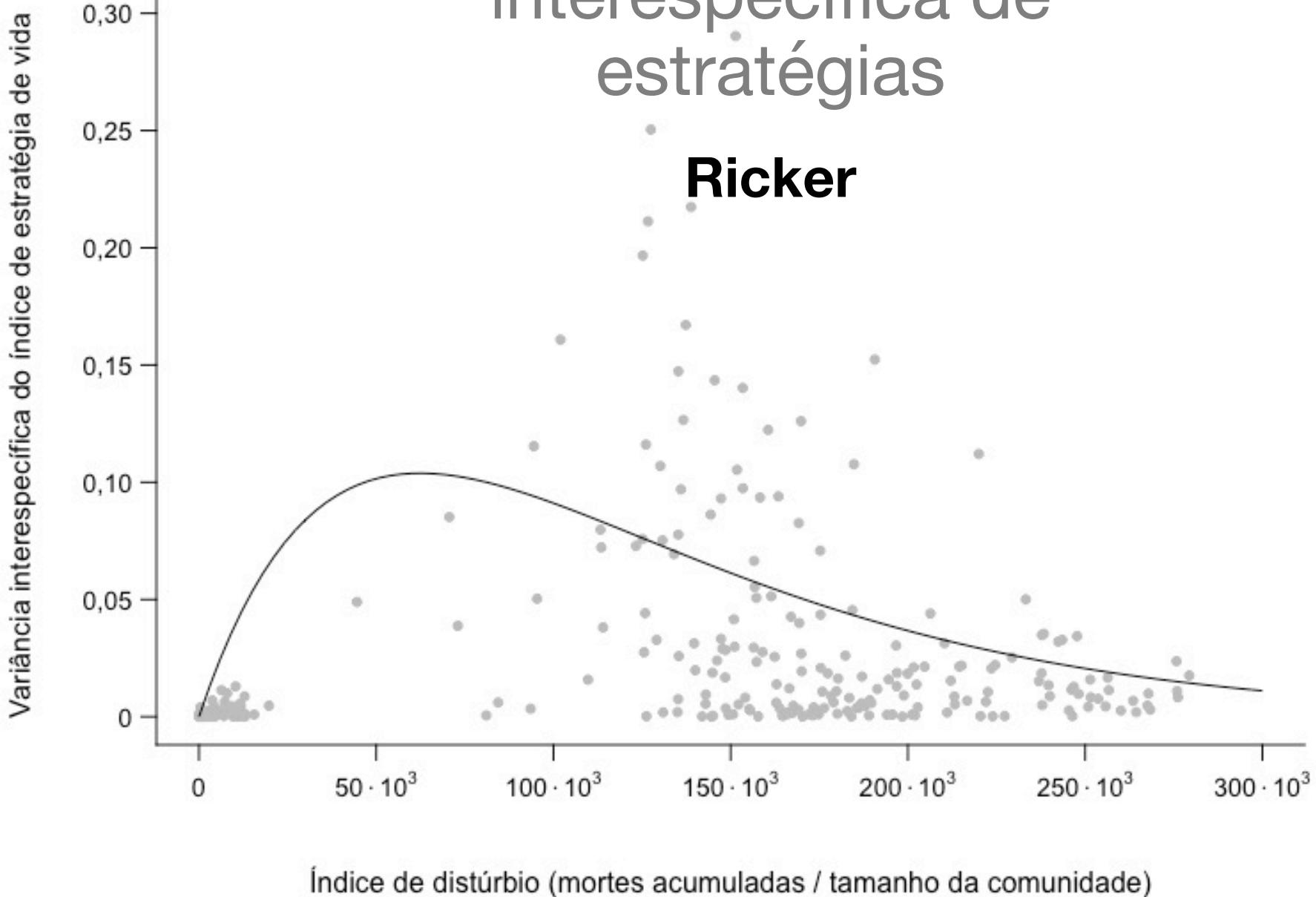
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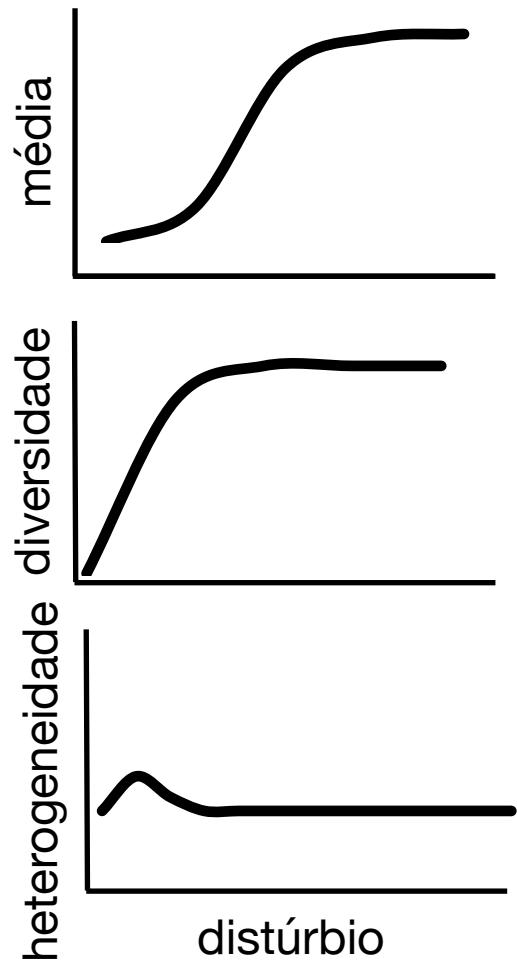
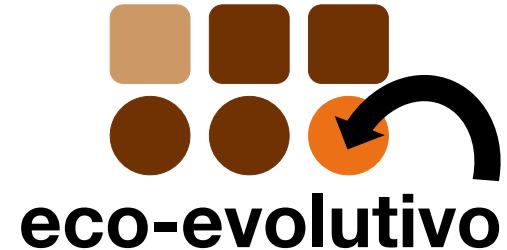
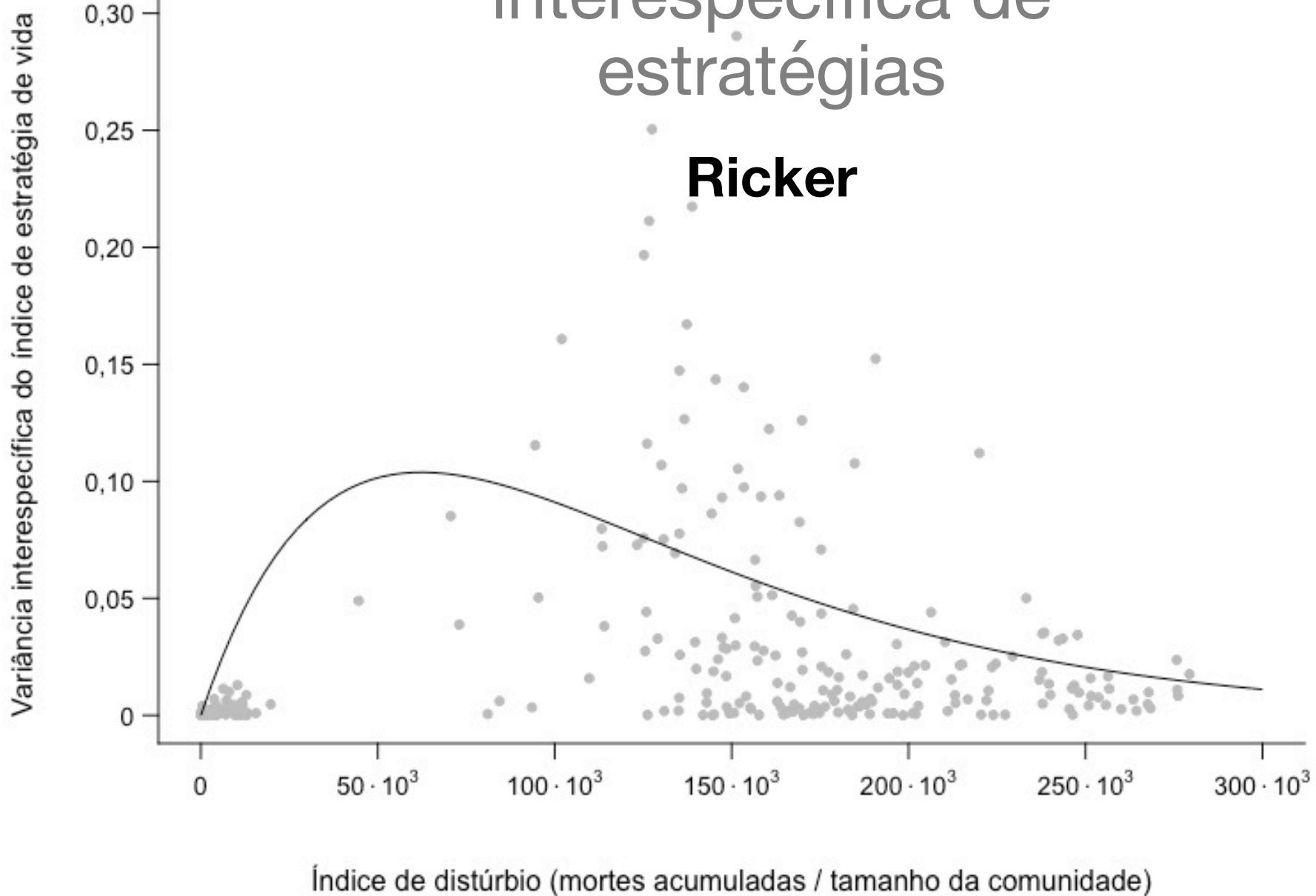
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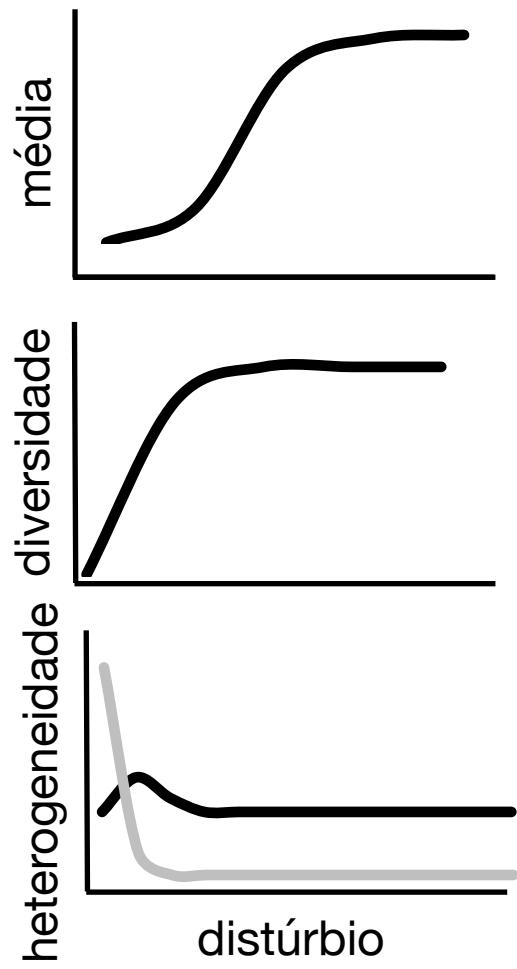
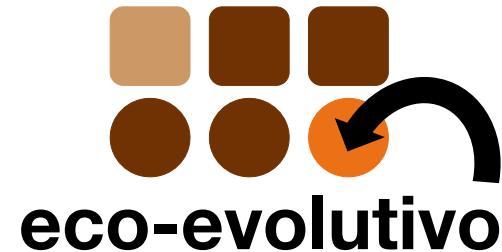
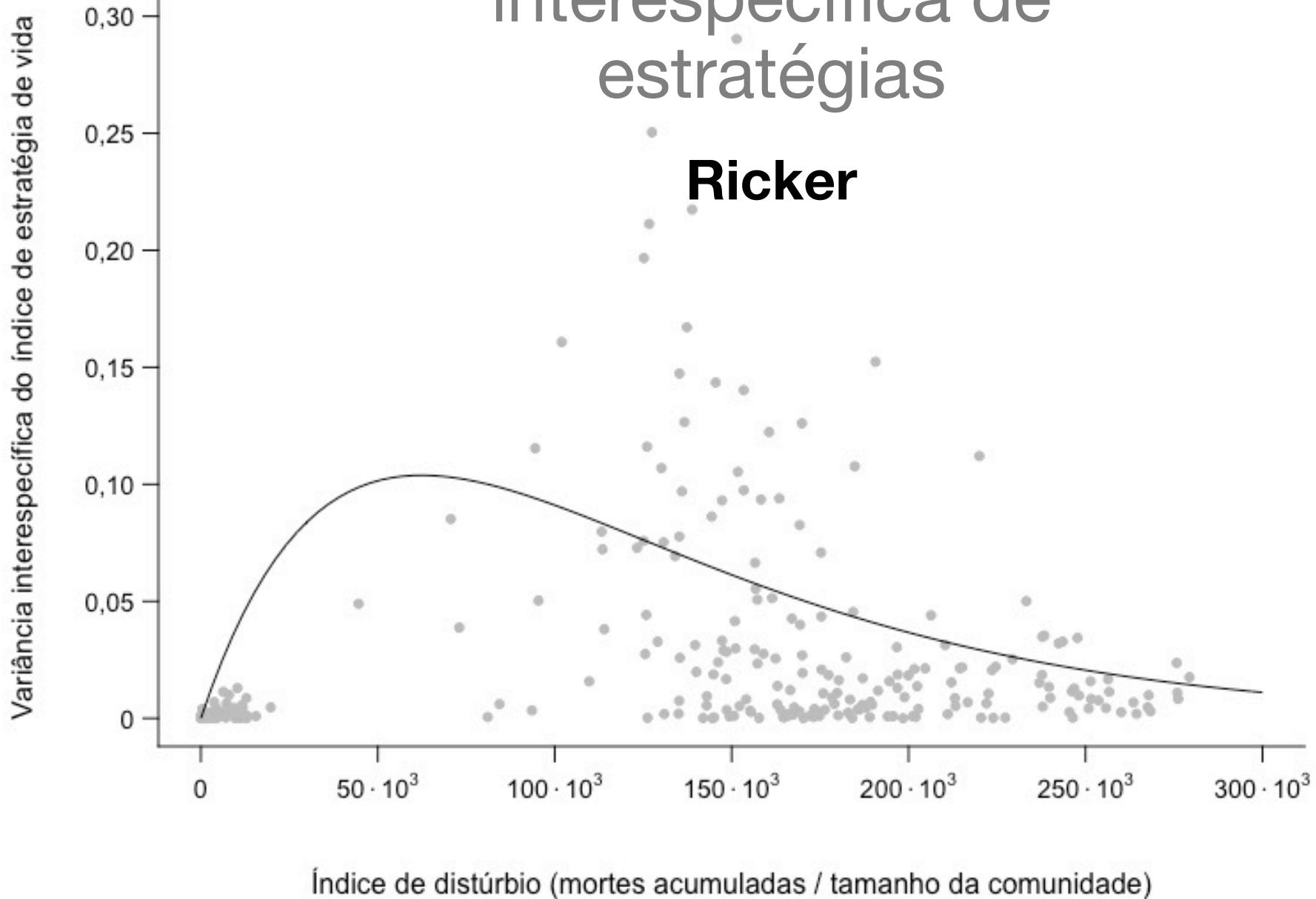
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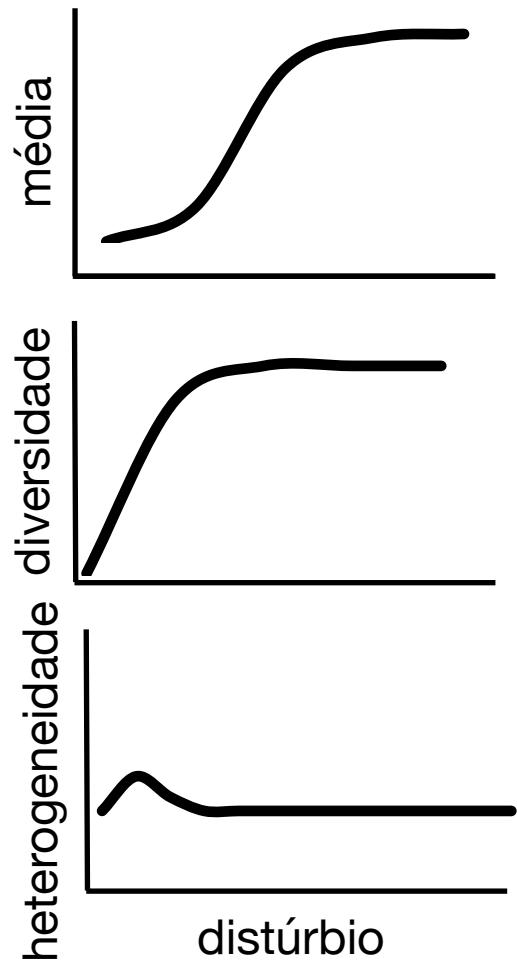
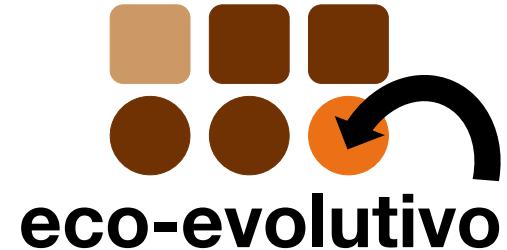
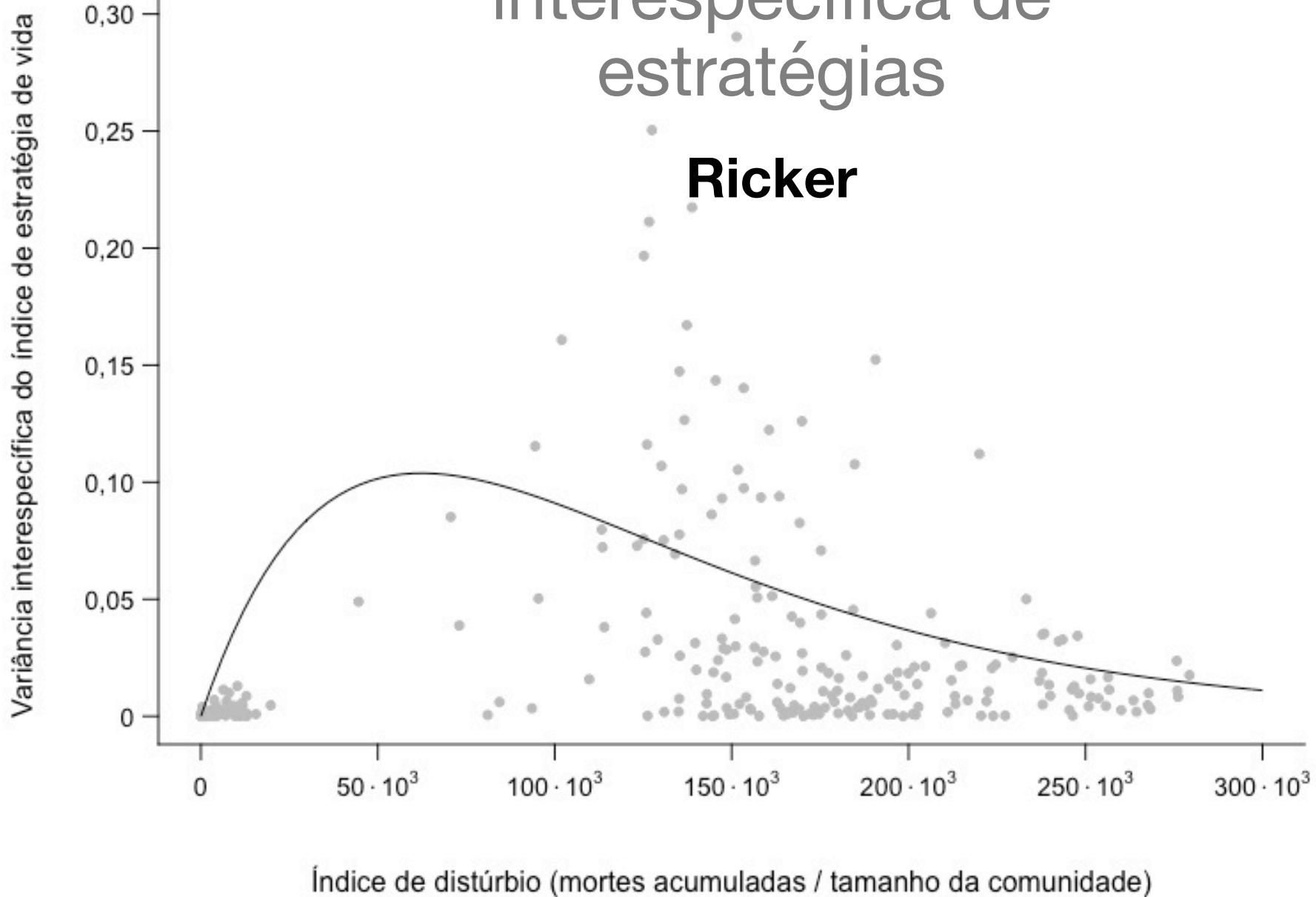
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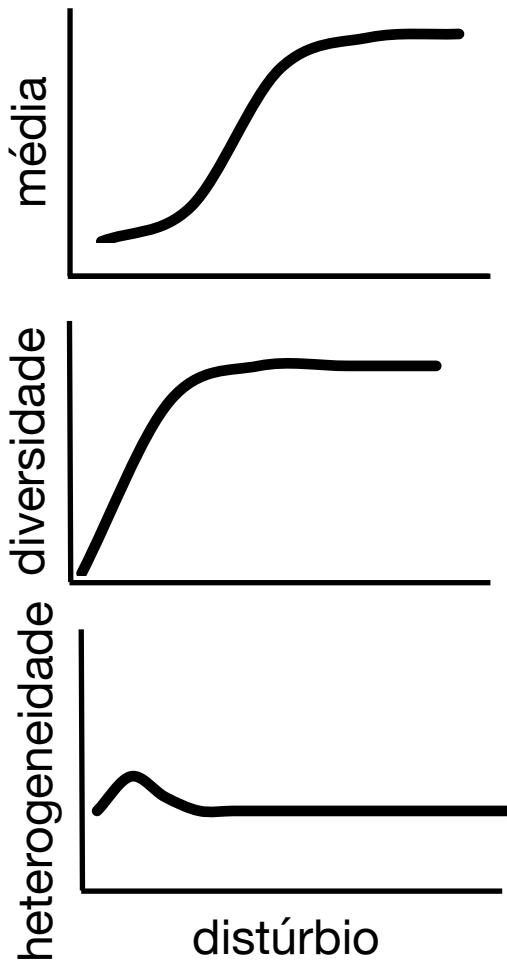
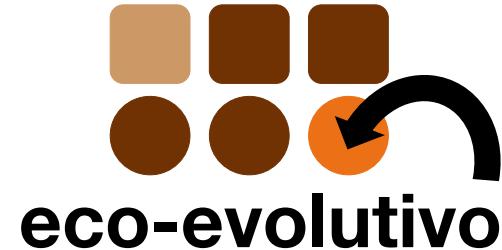
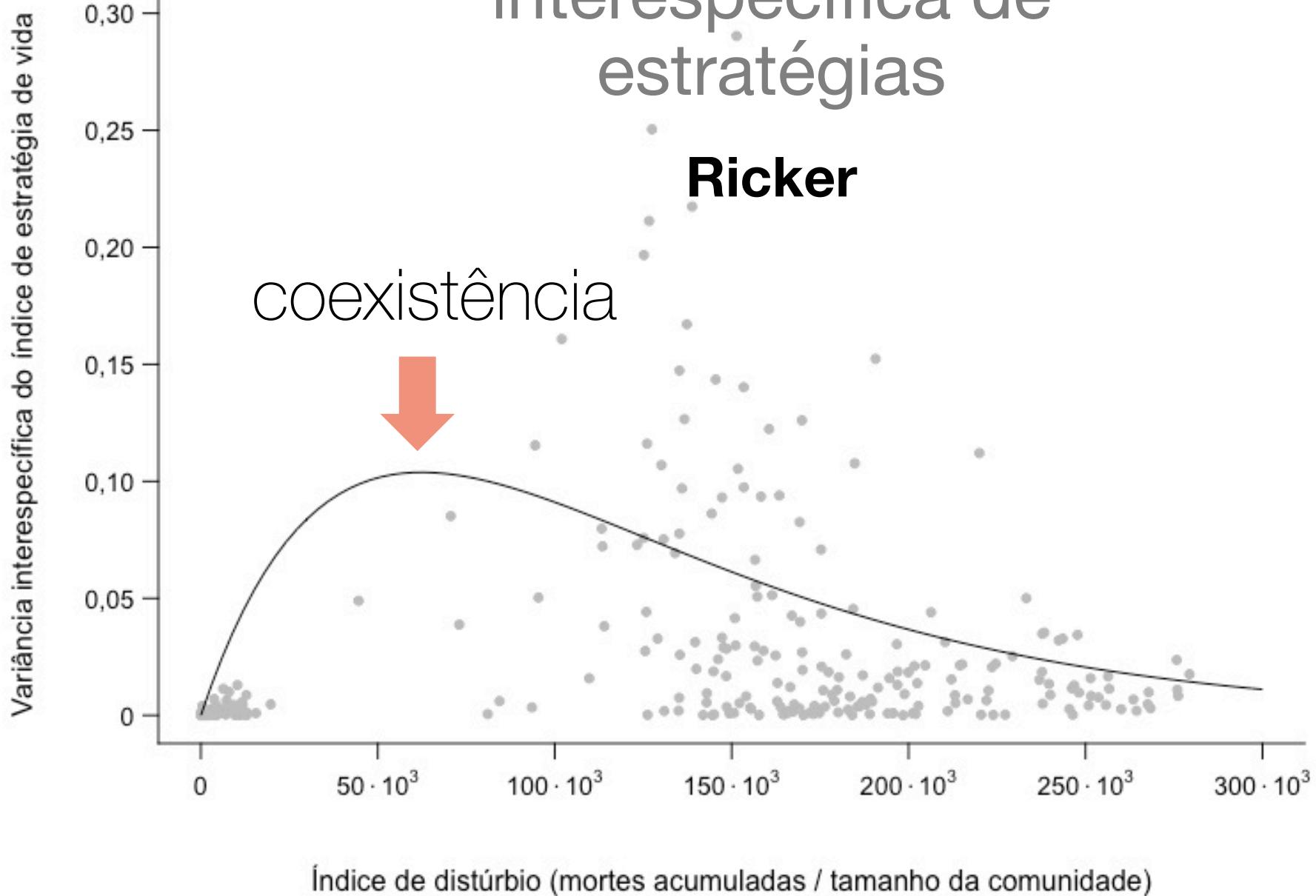
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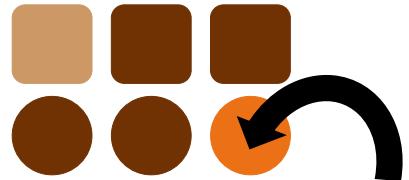


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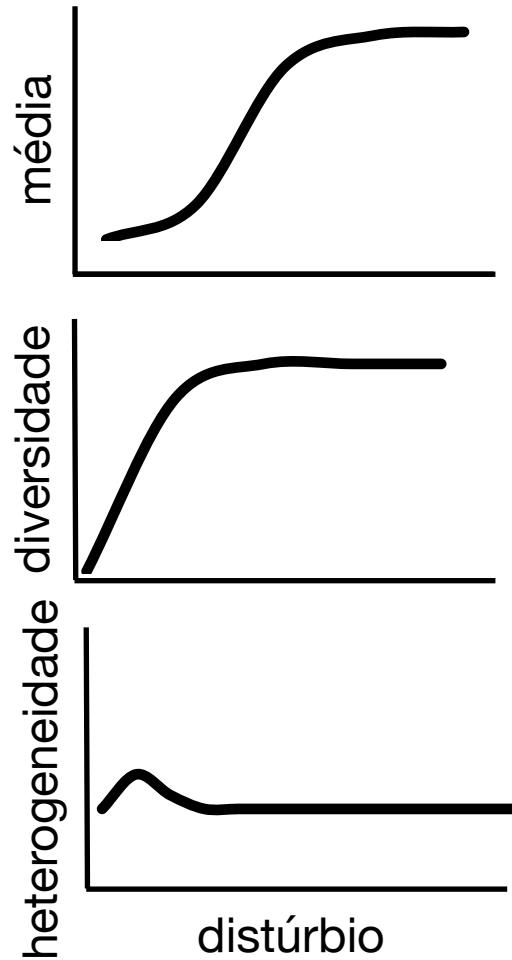
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coexistência de estratégias mediada pelo distúrbio

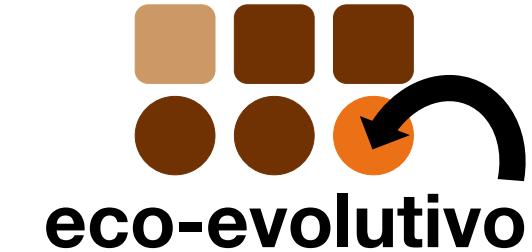
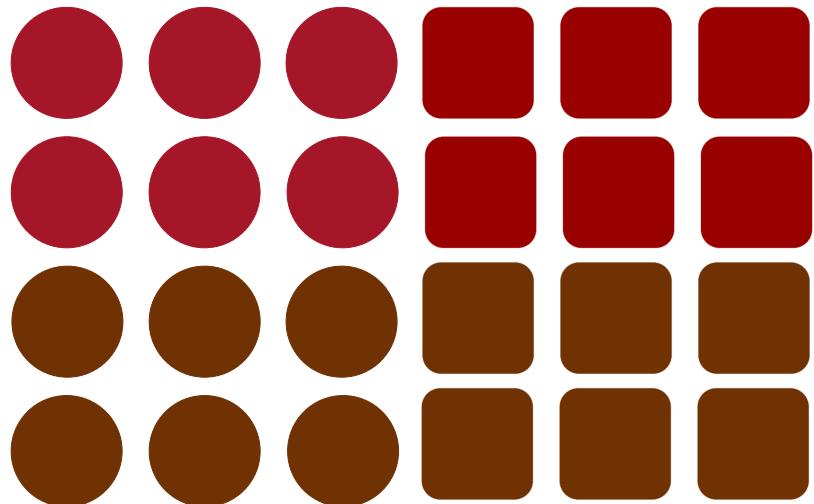


eco-evolutivo



coexistência de estratégias mediada pelo distúrbio

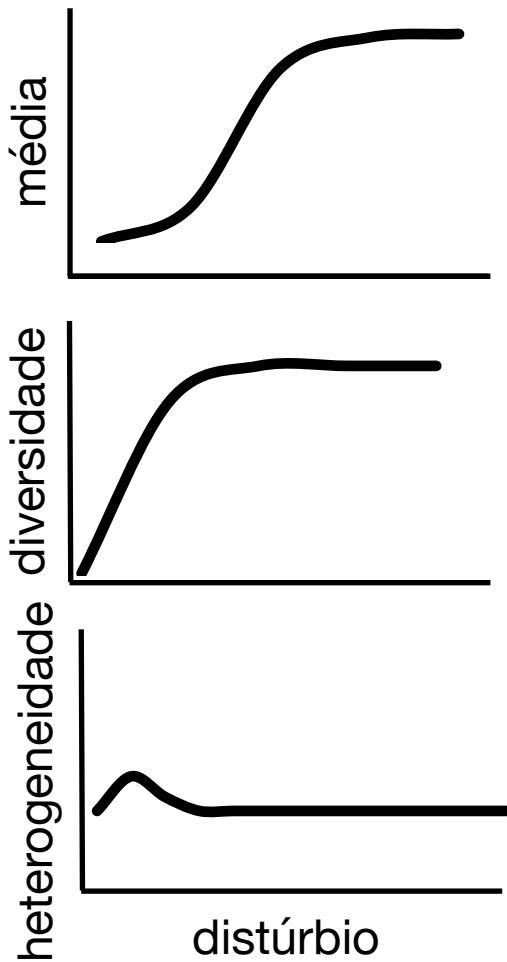
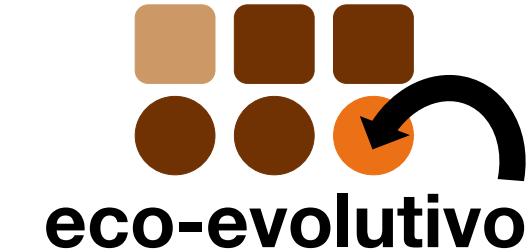
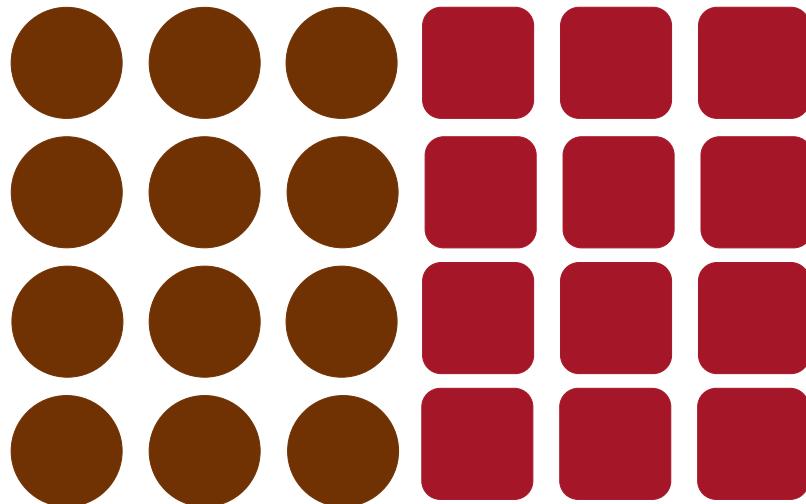
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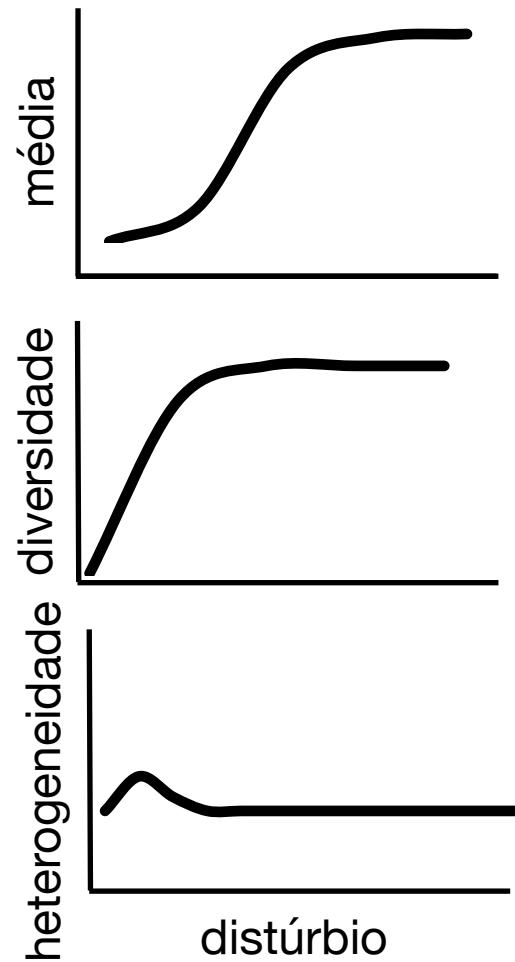
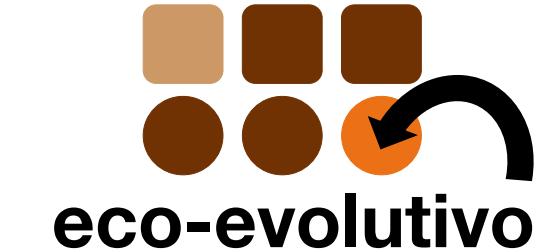
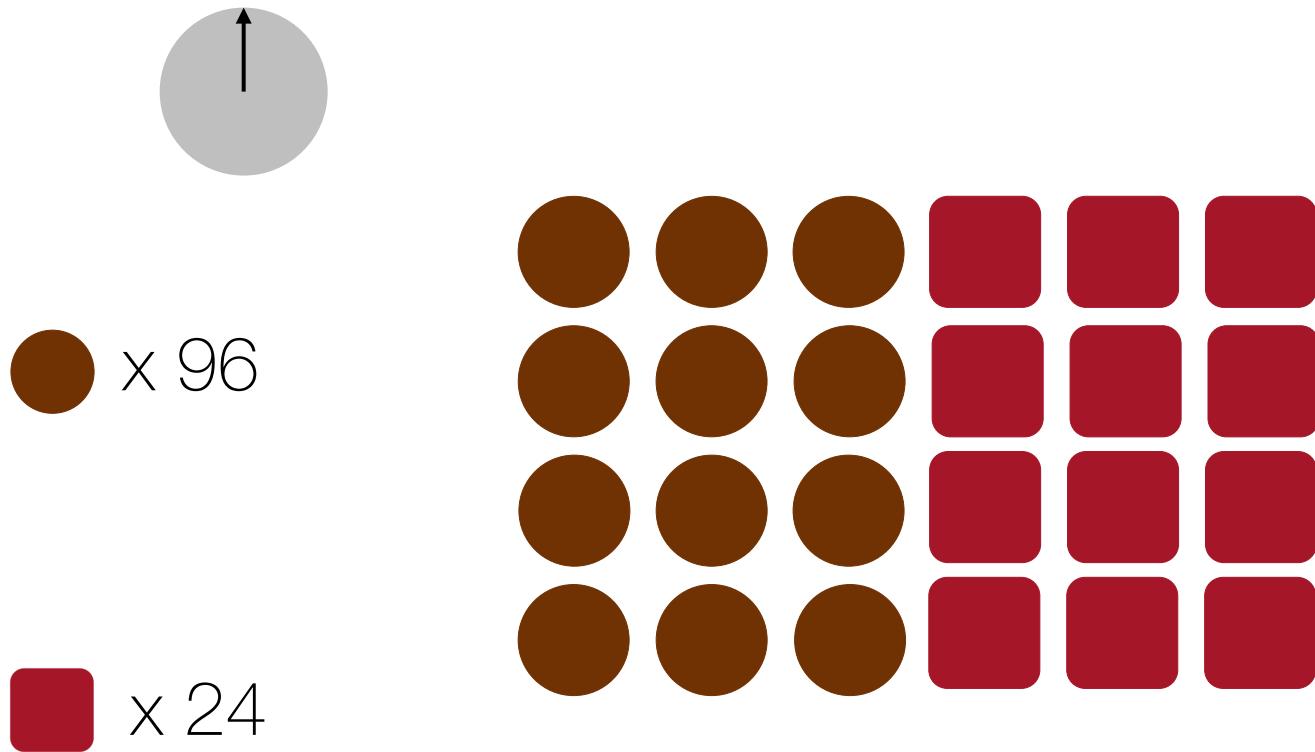
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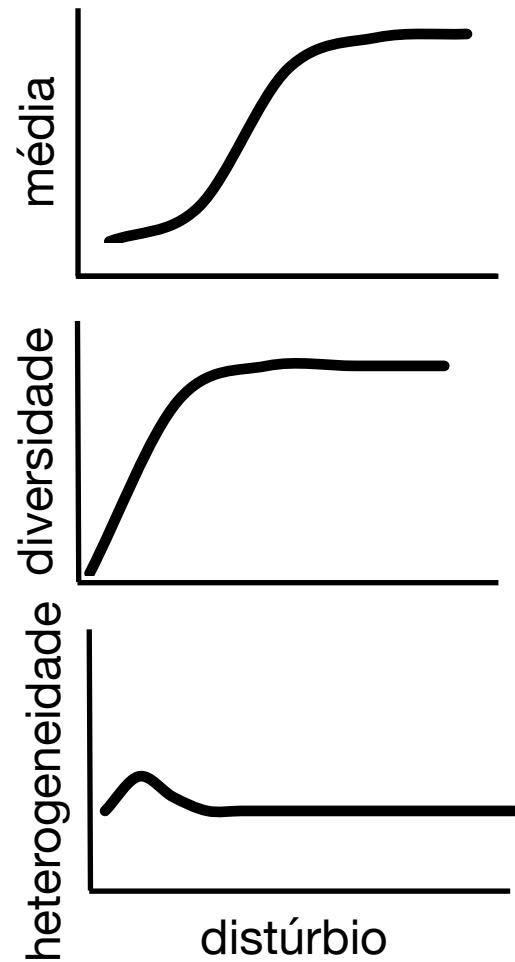
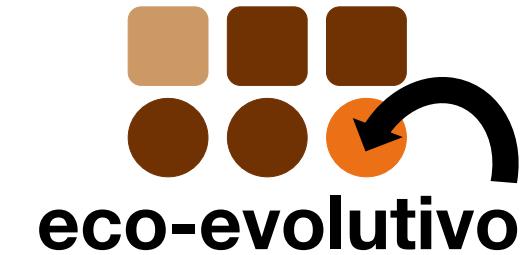
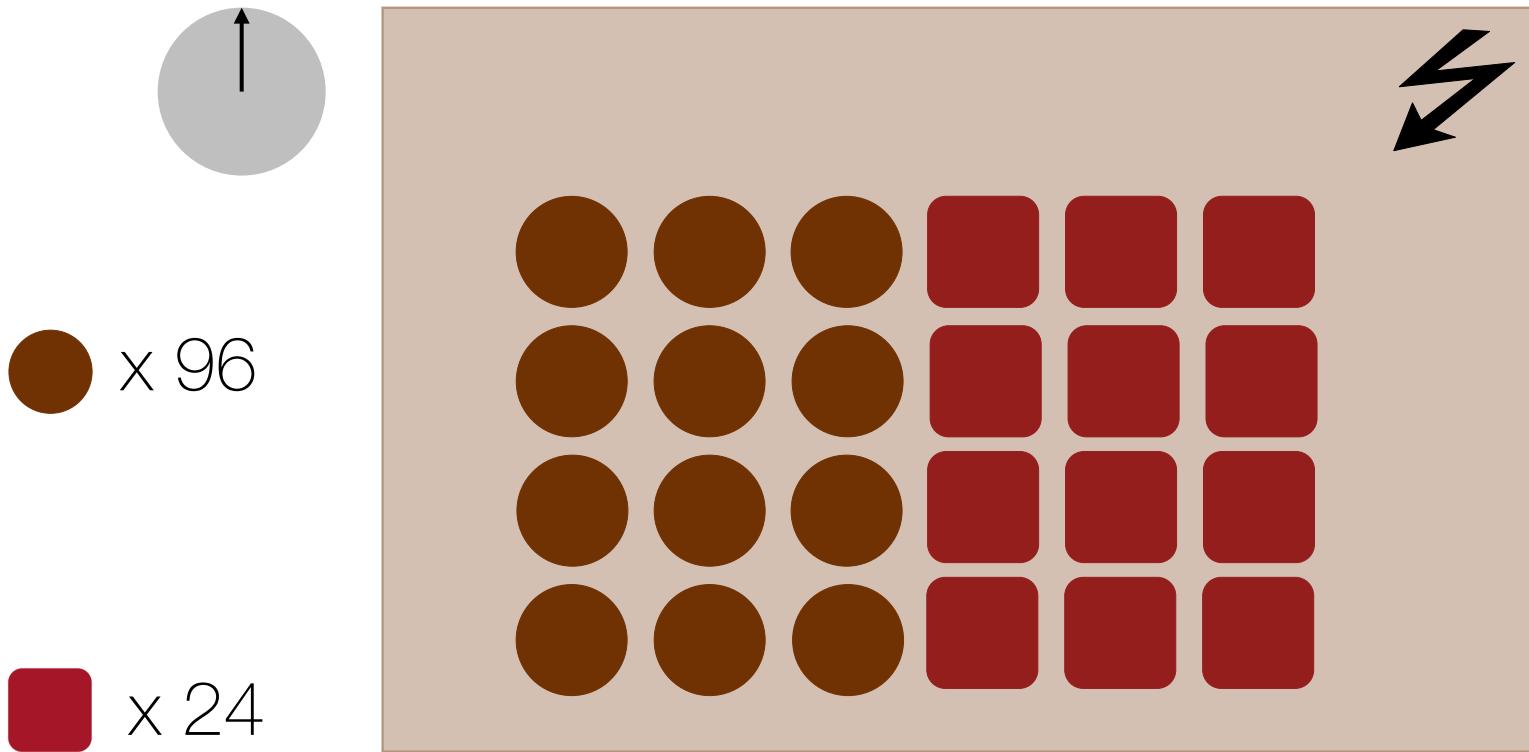
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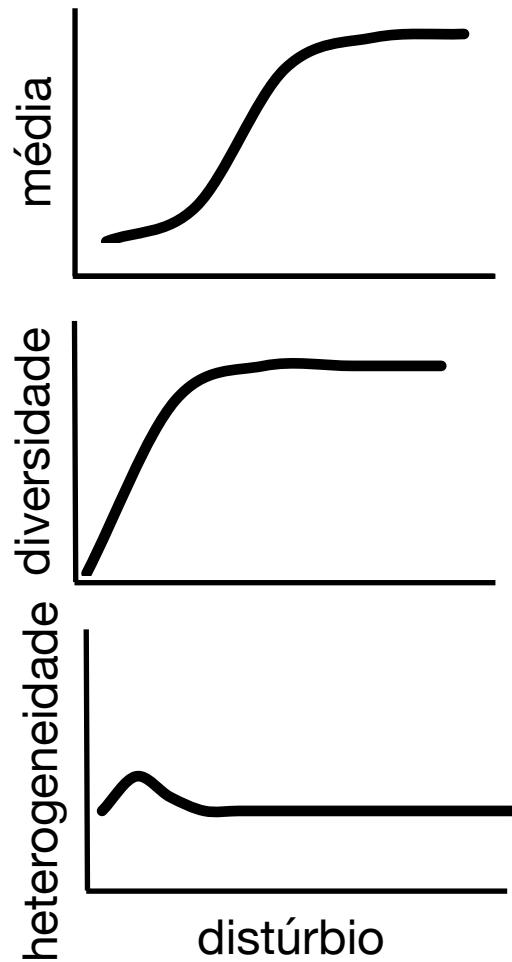
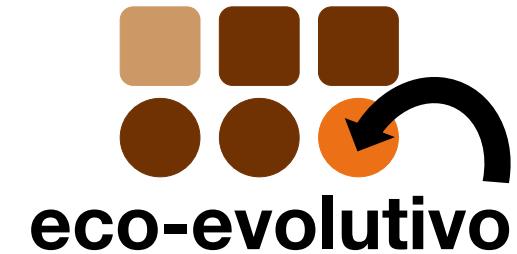
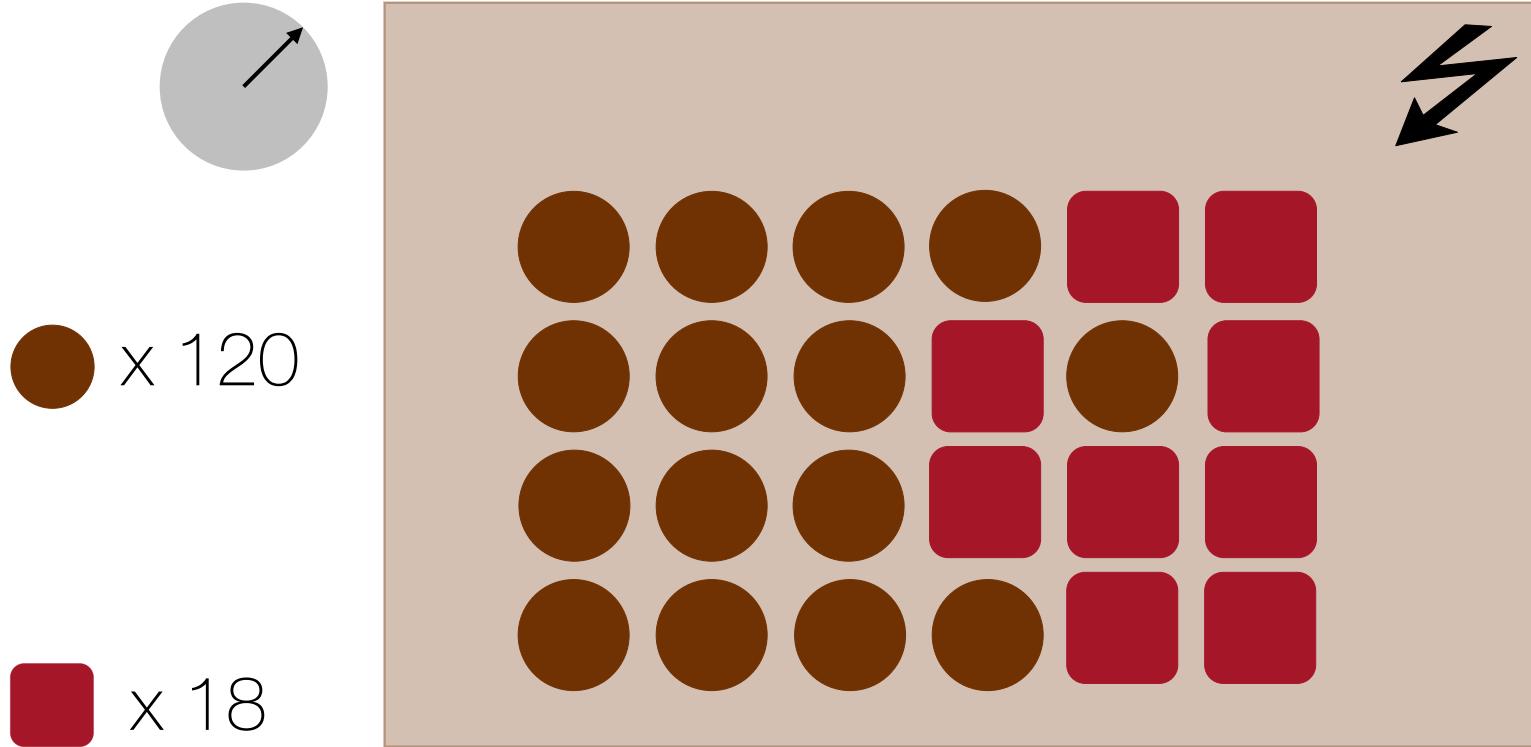
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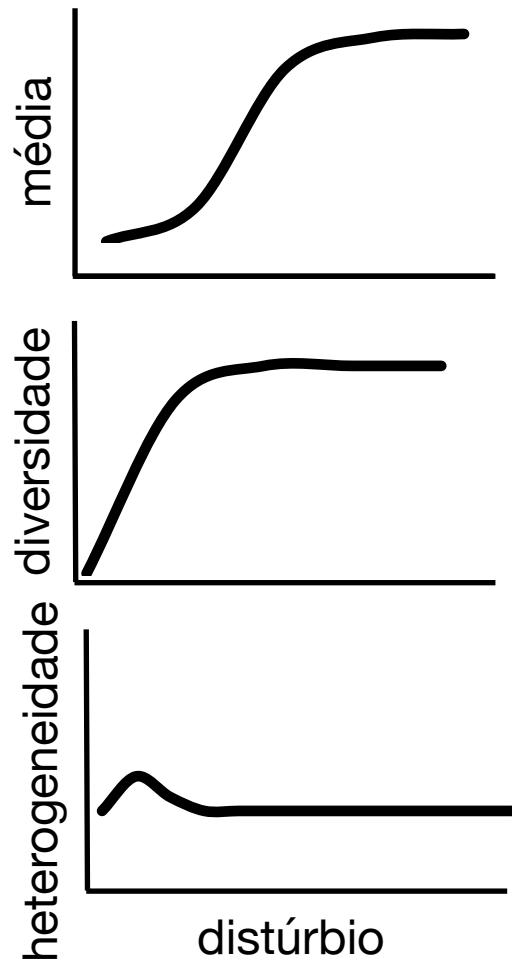
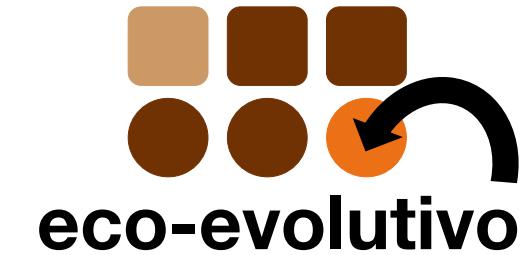
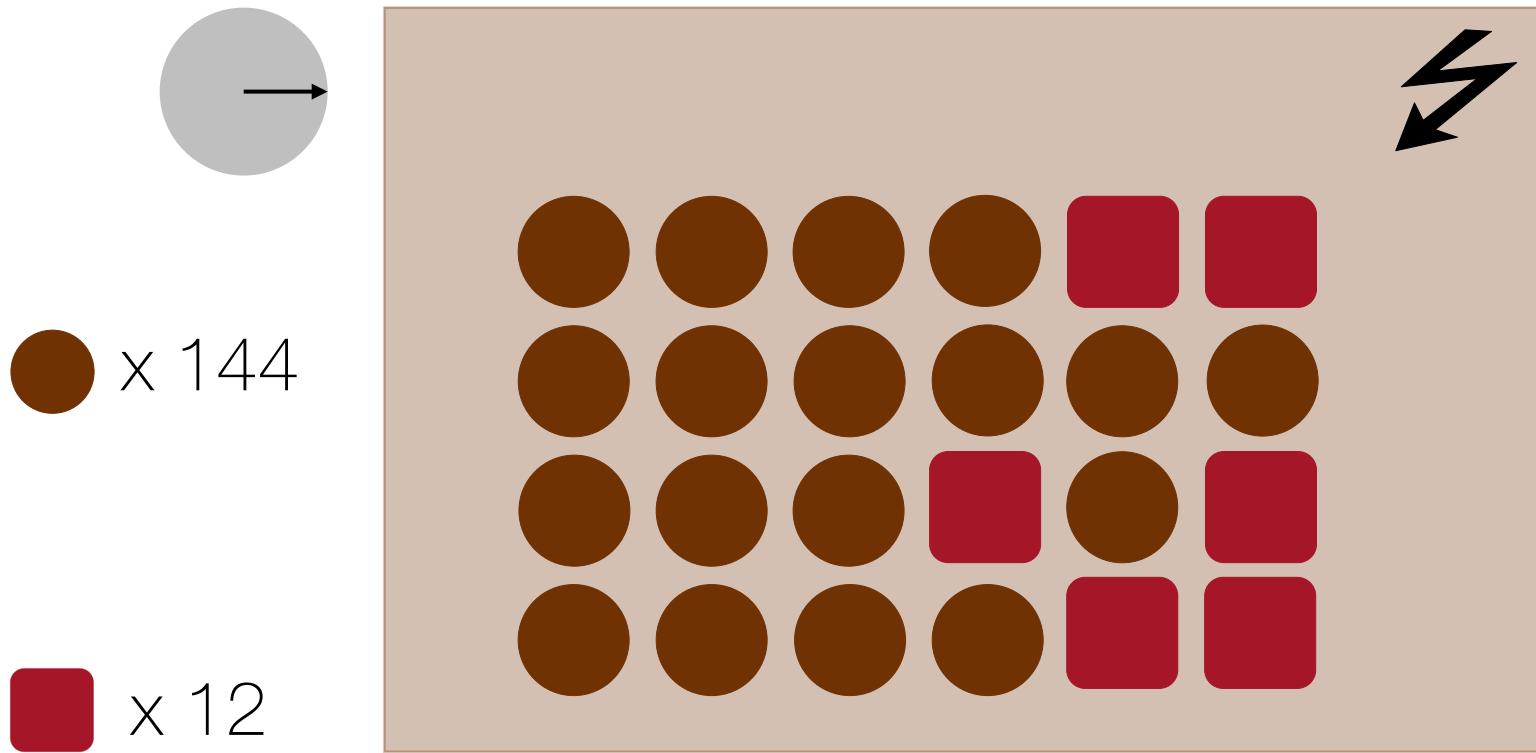
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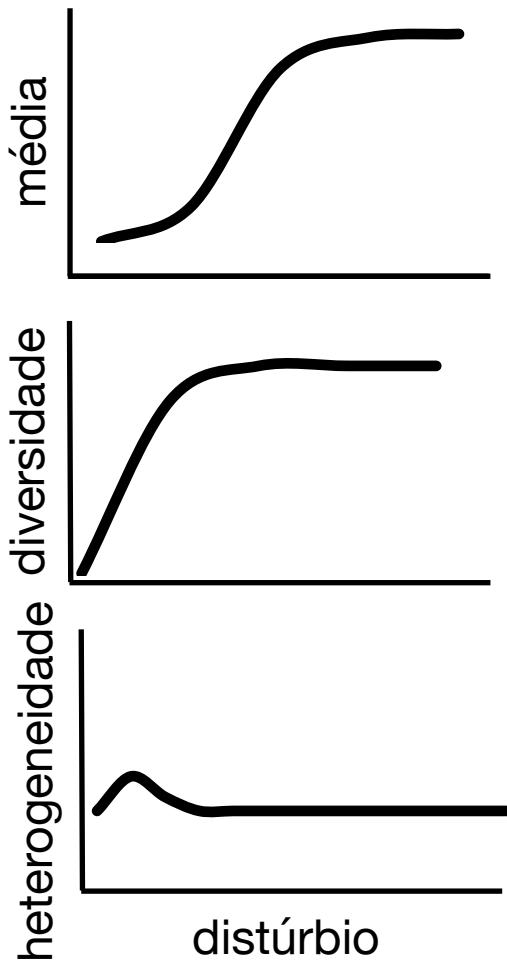
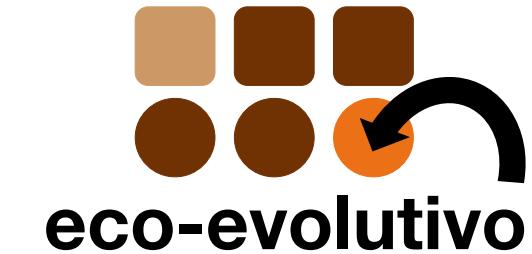
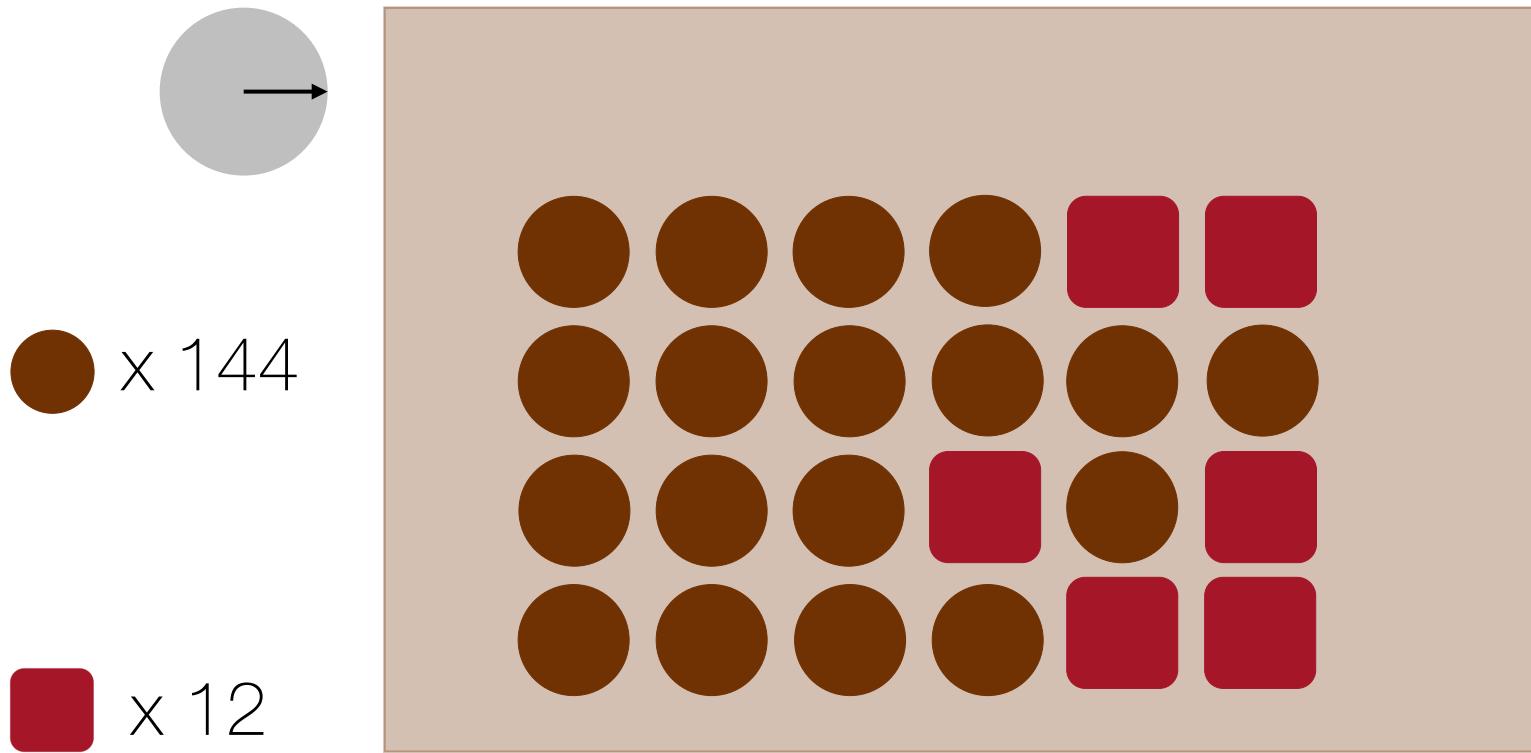
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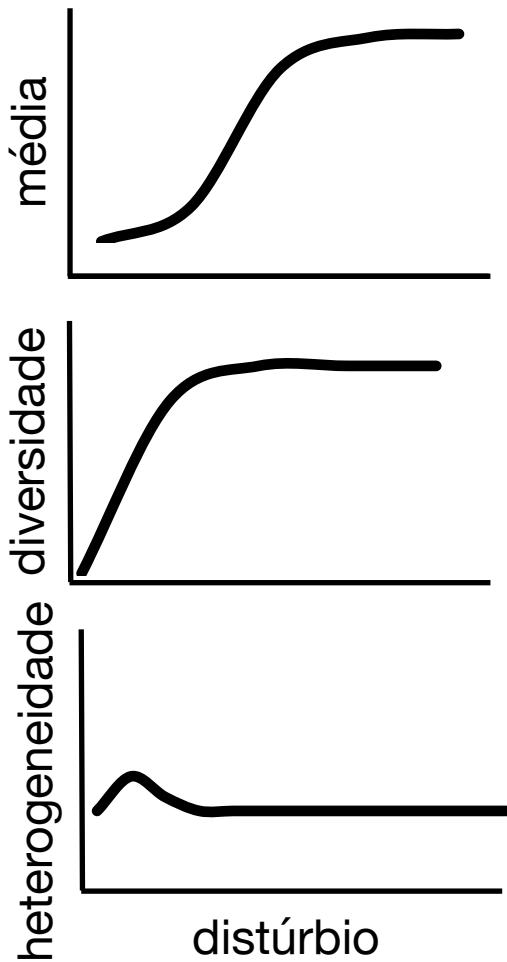
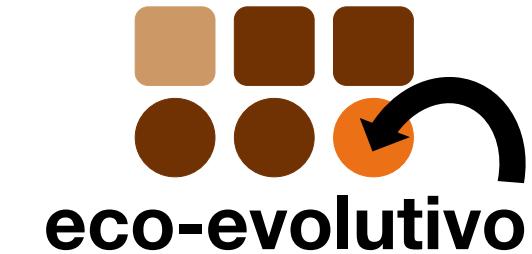
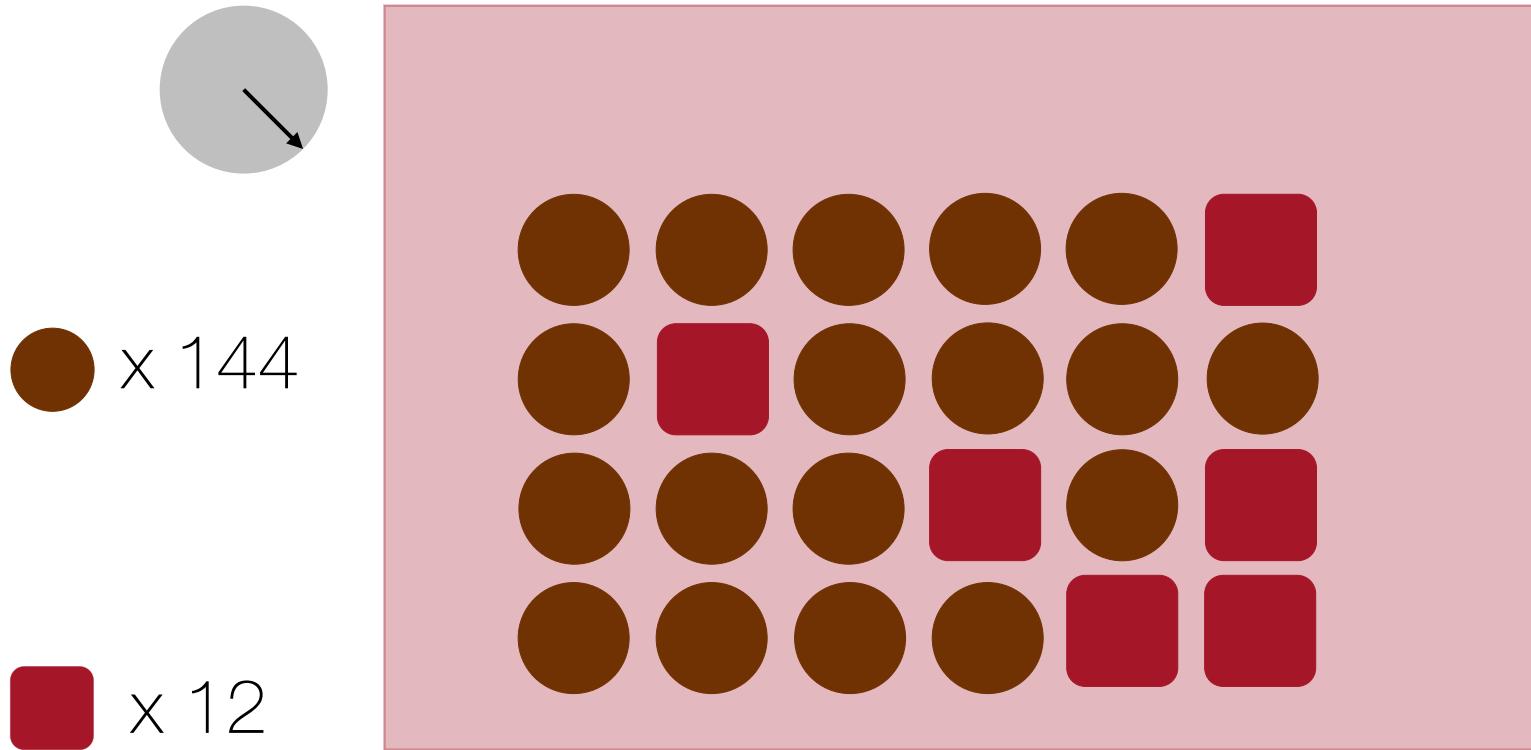
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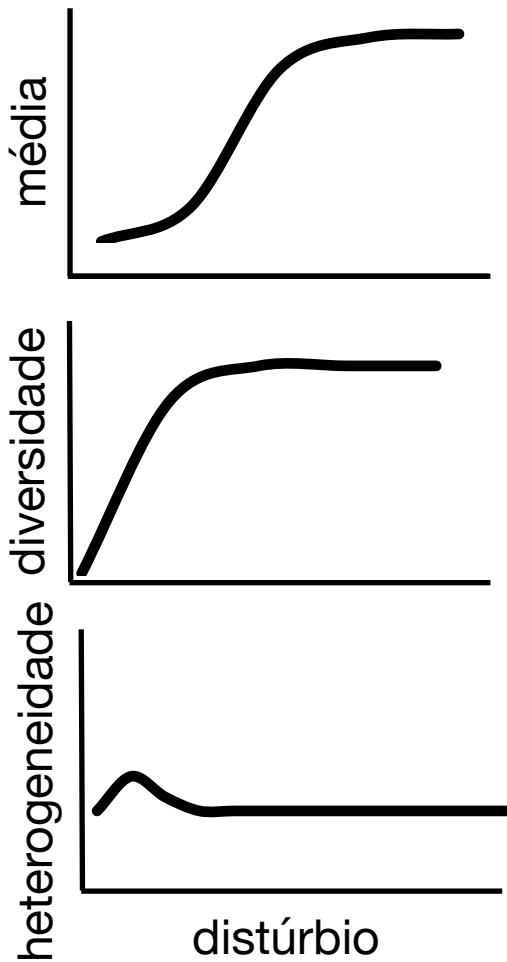
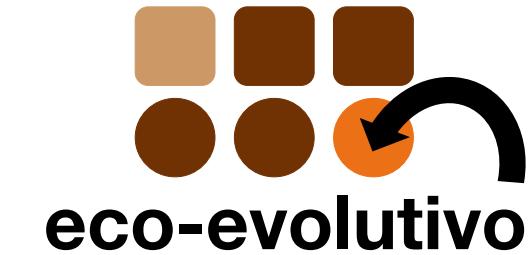
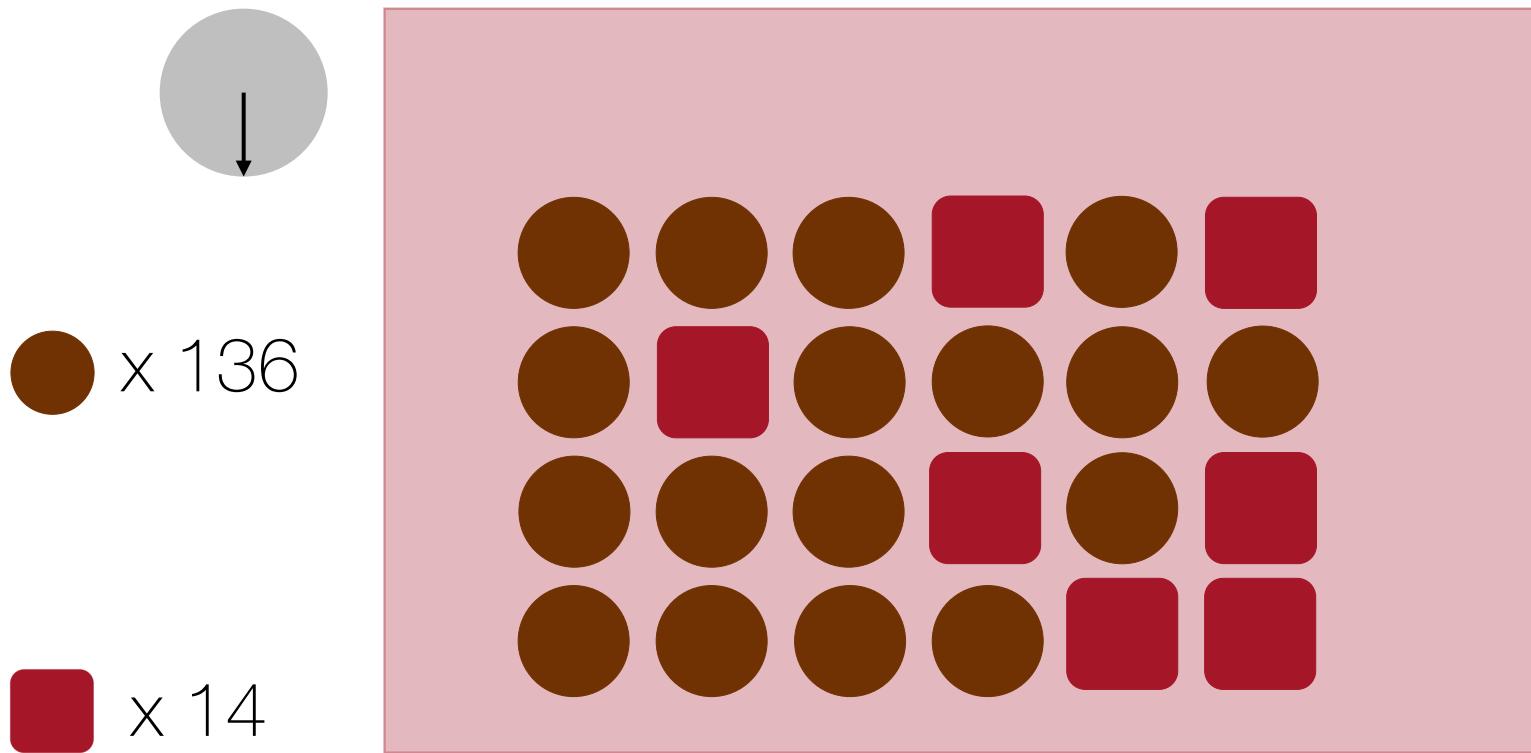
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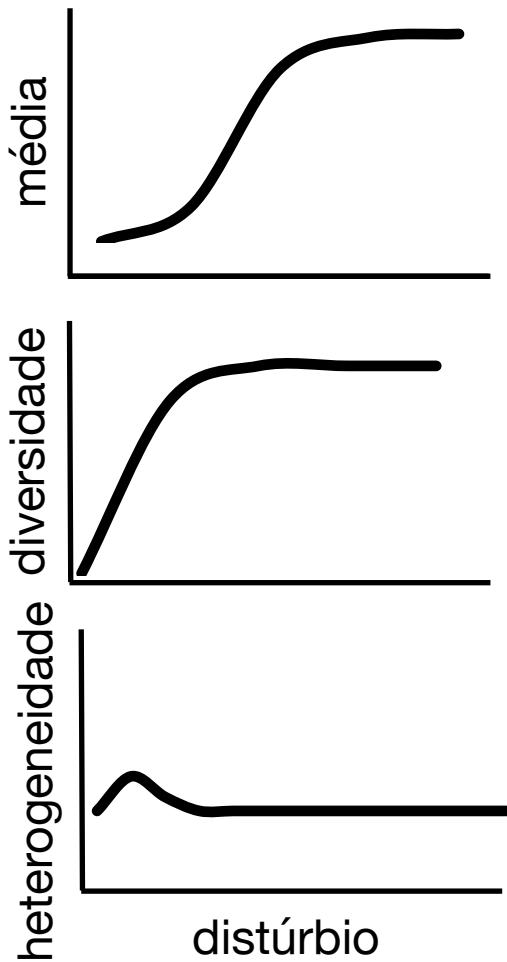
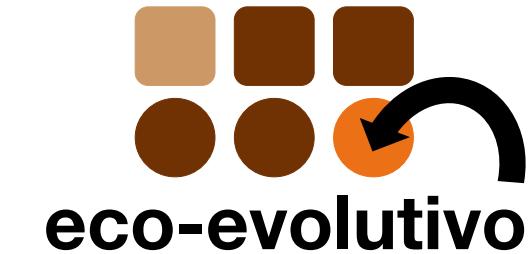
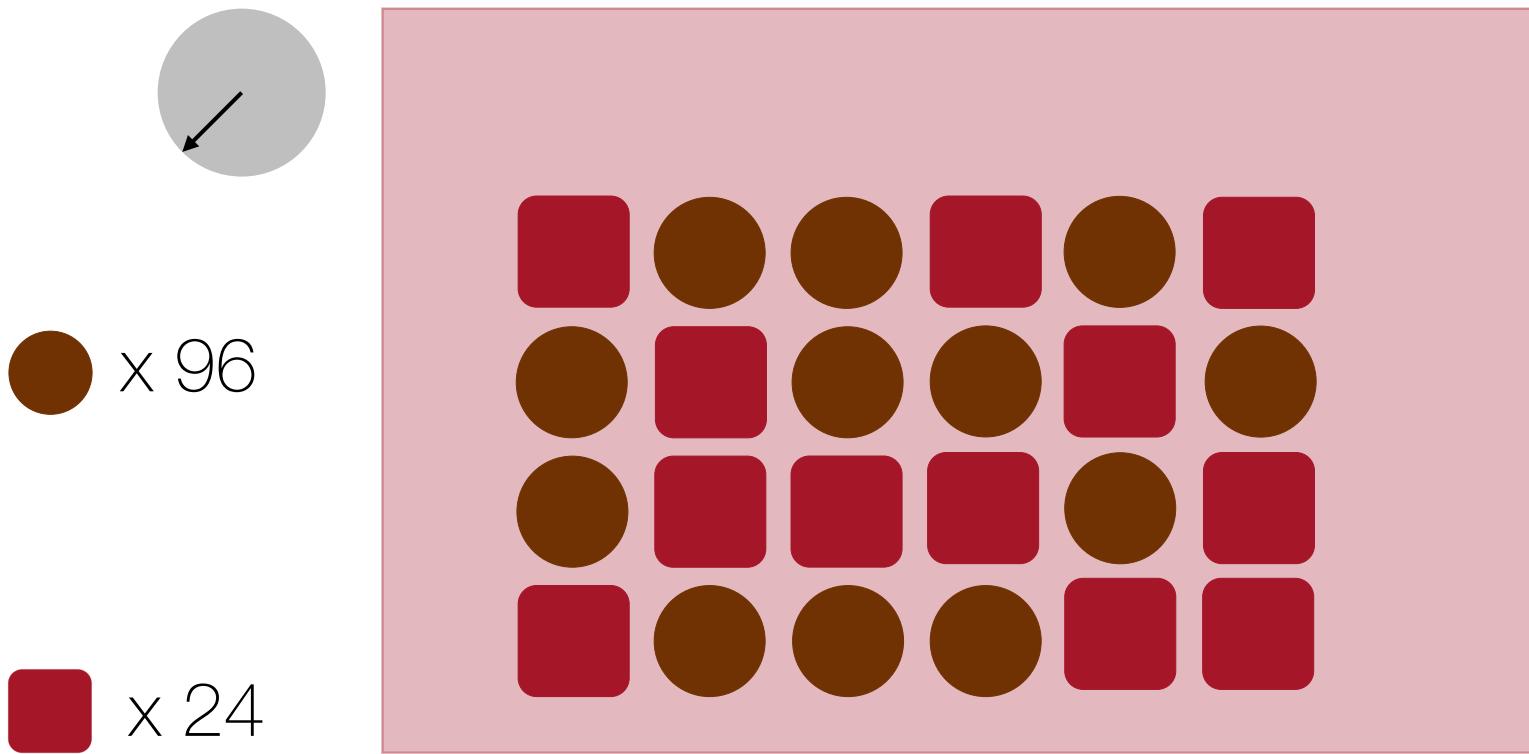
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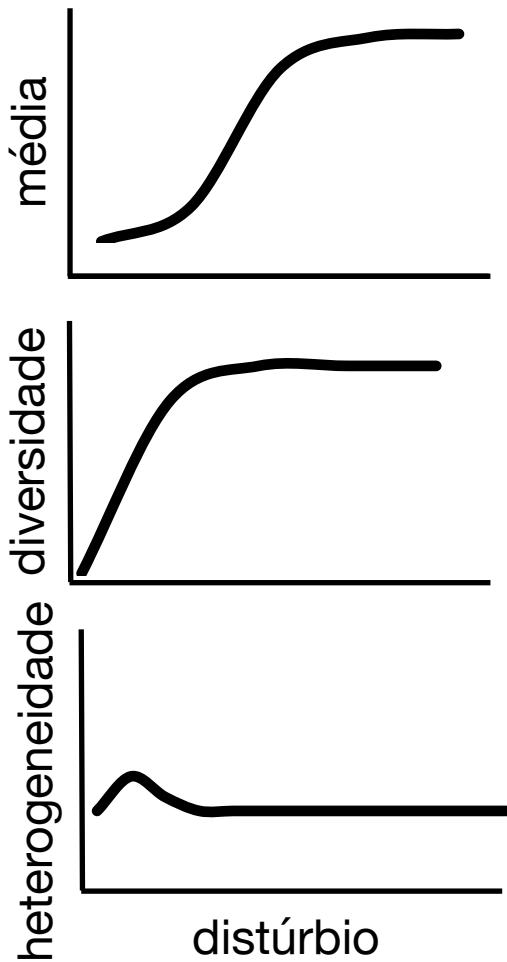
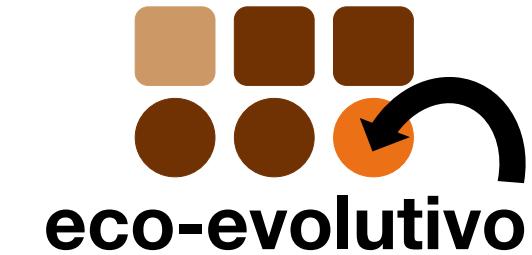
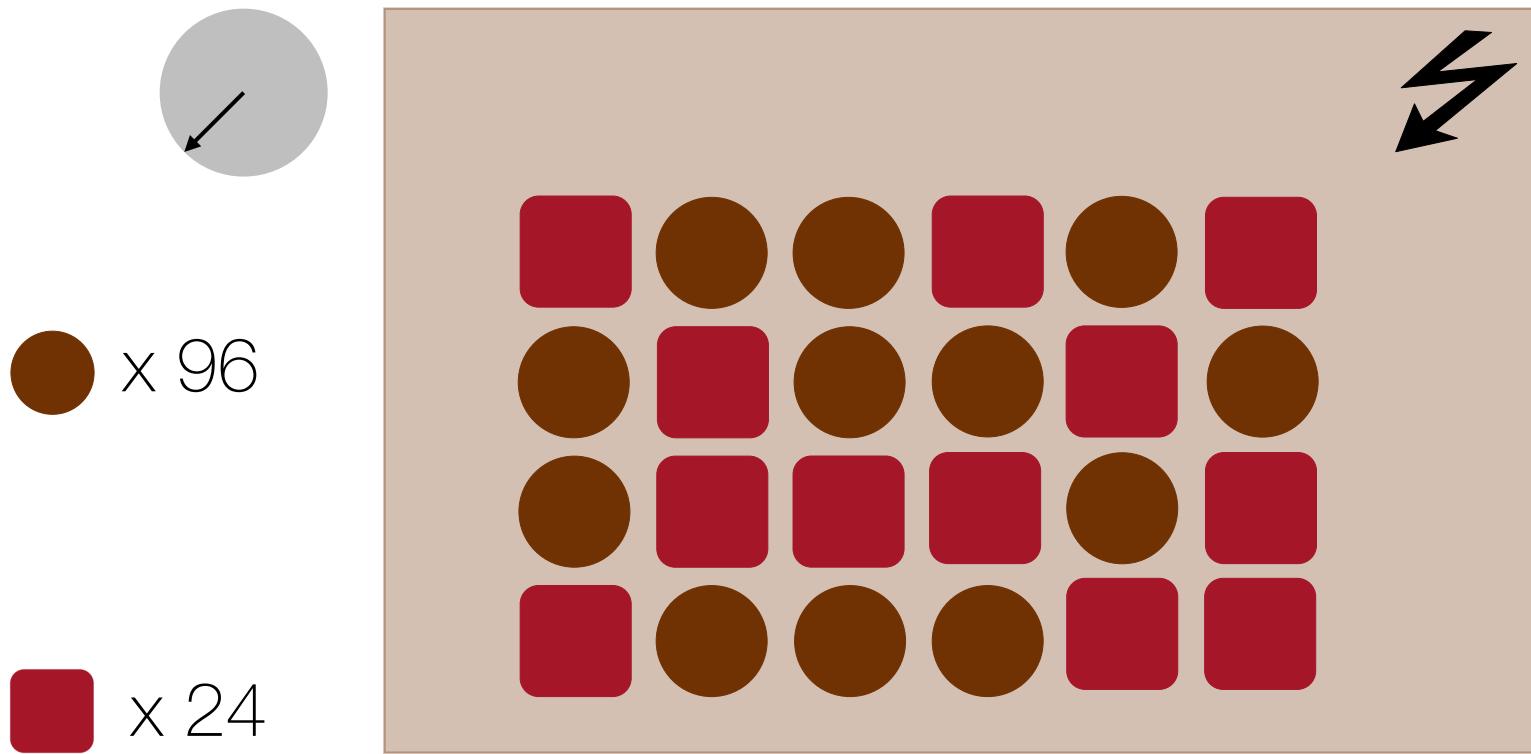
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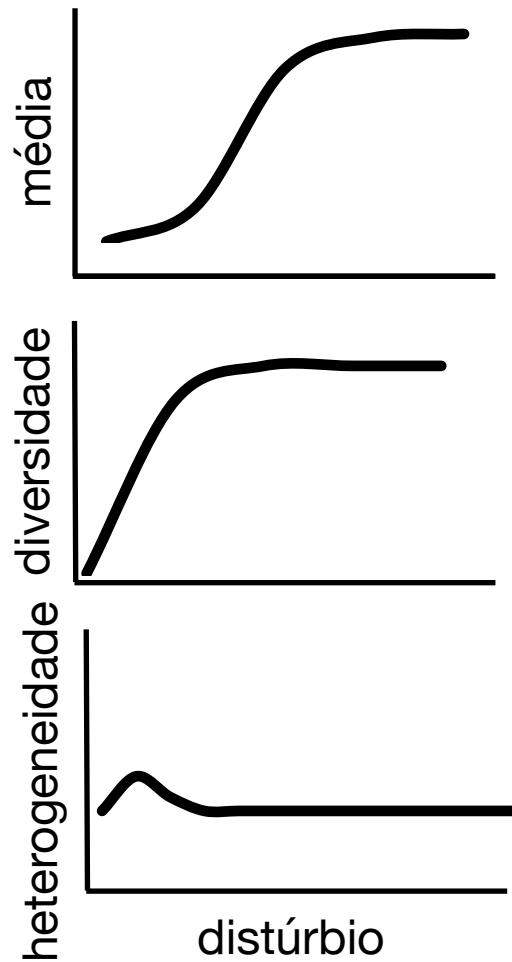
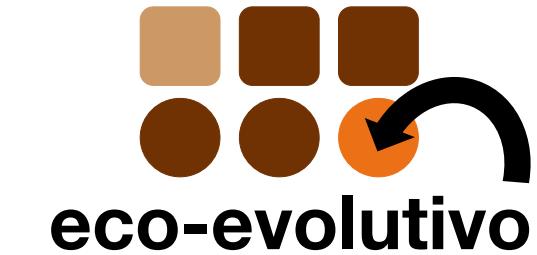
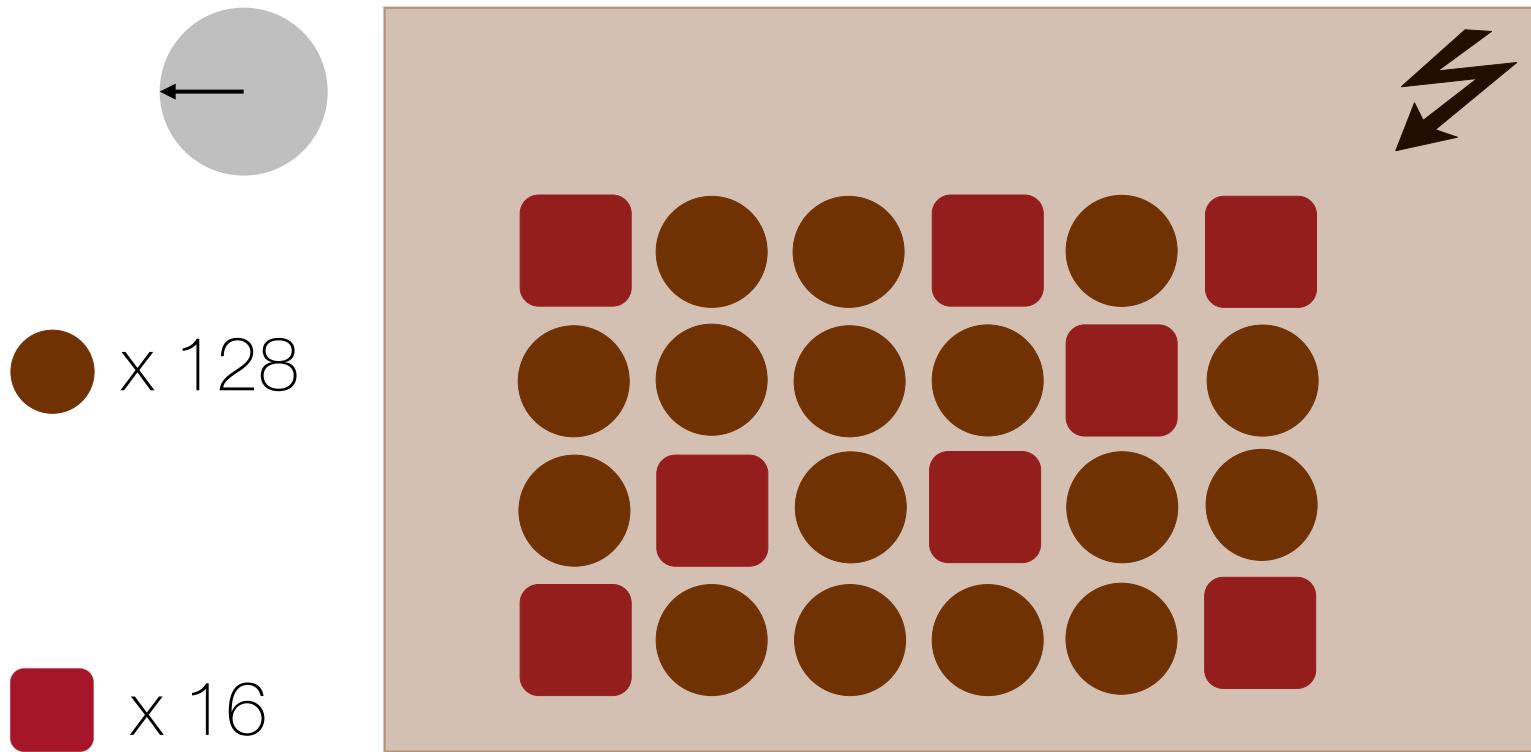
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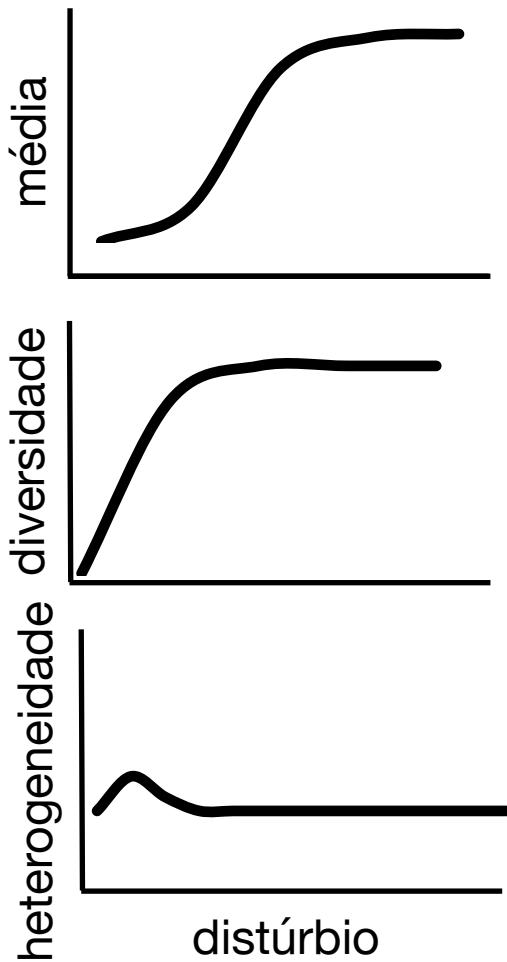
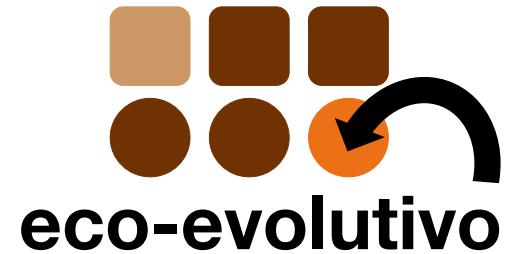
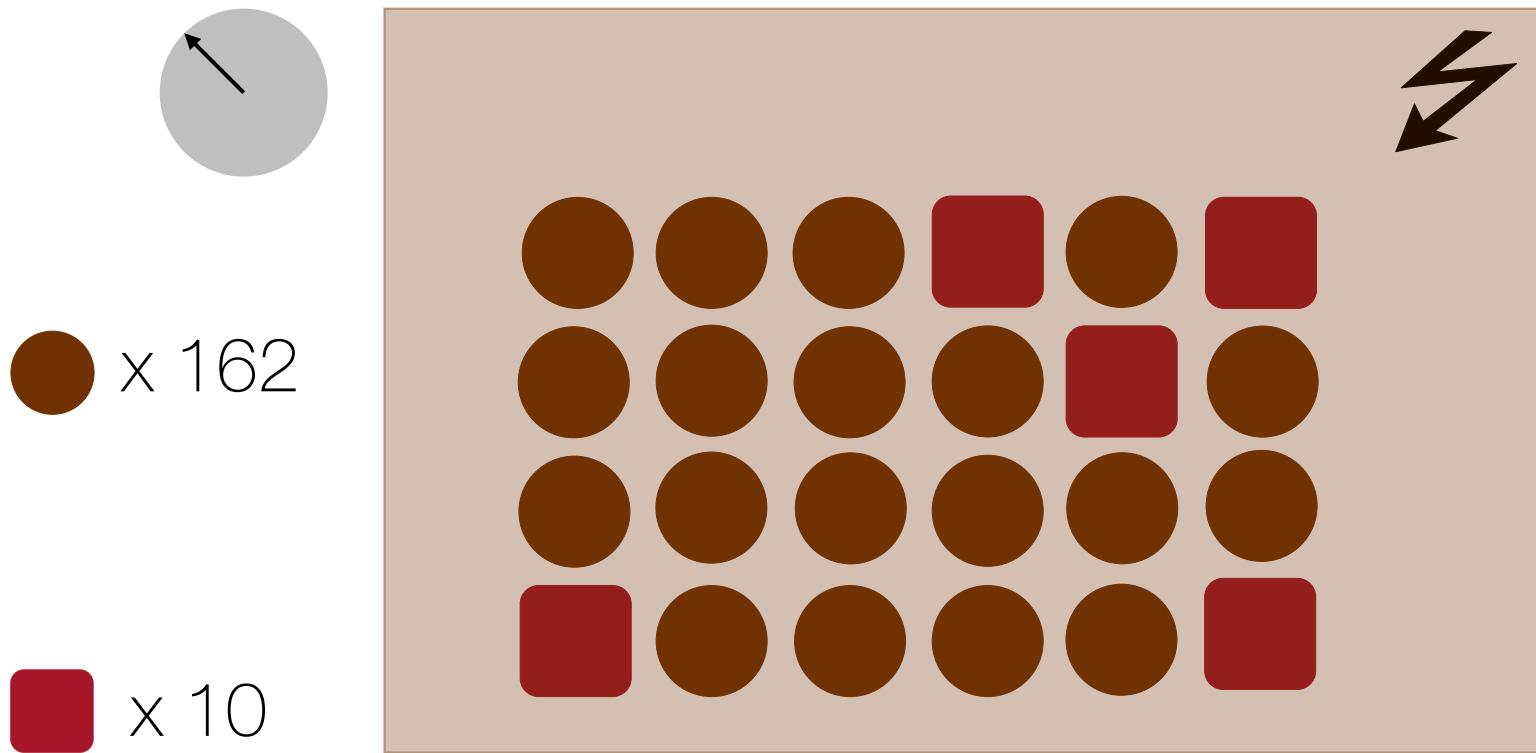
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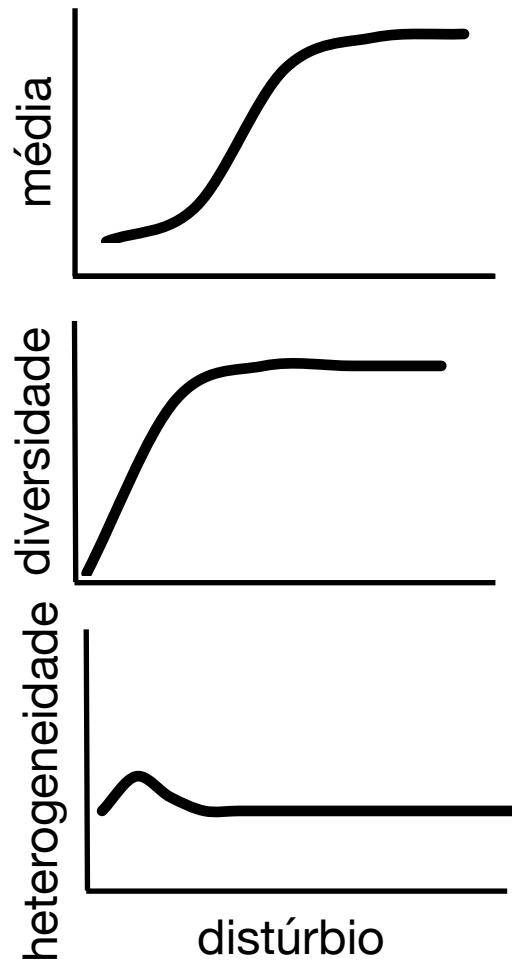
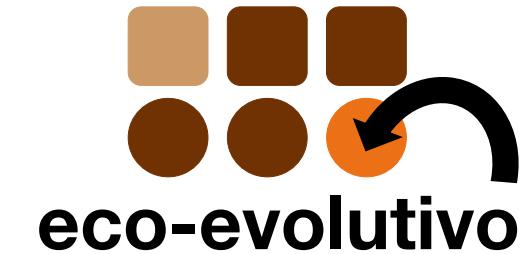
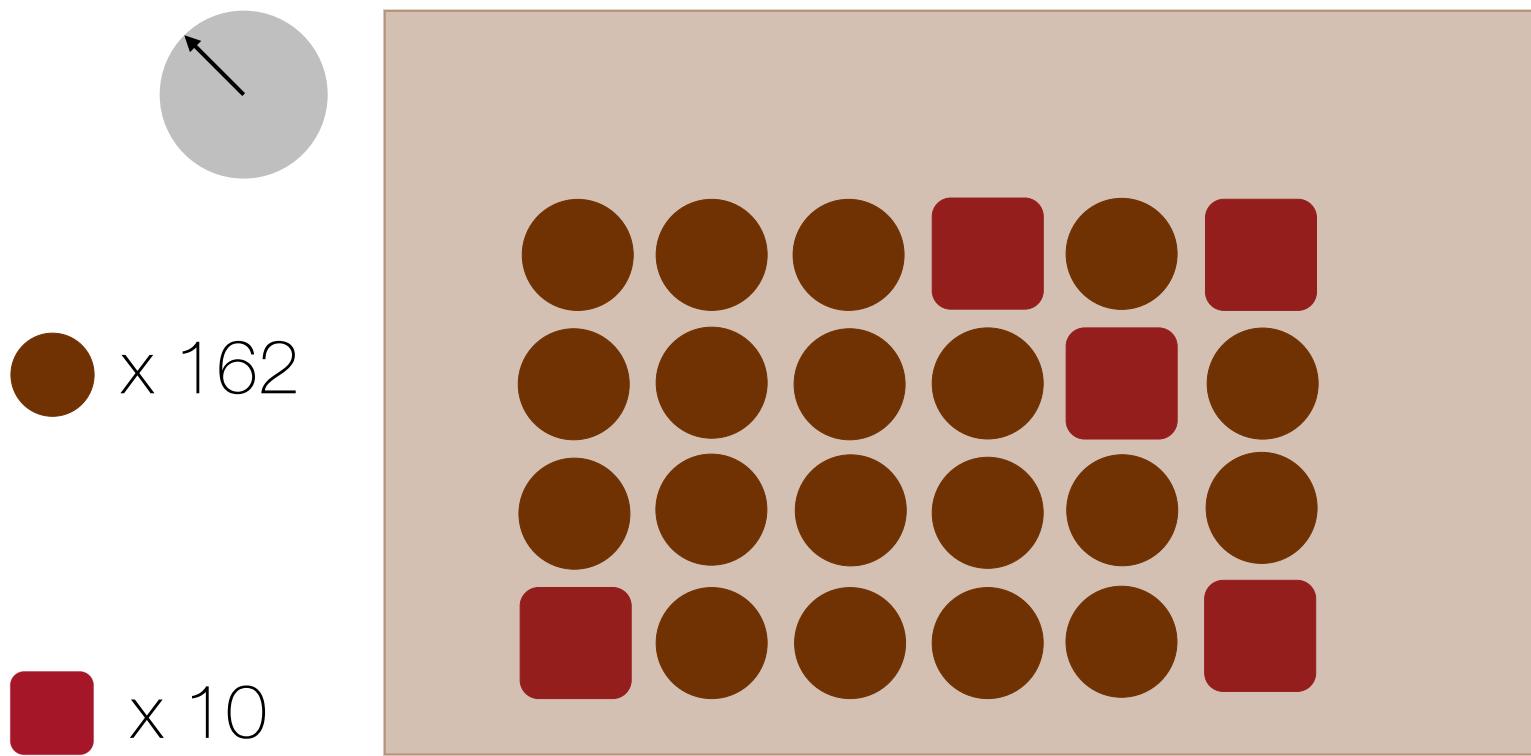
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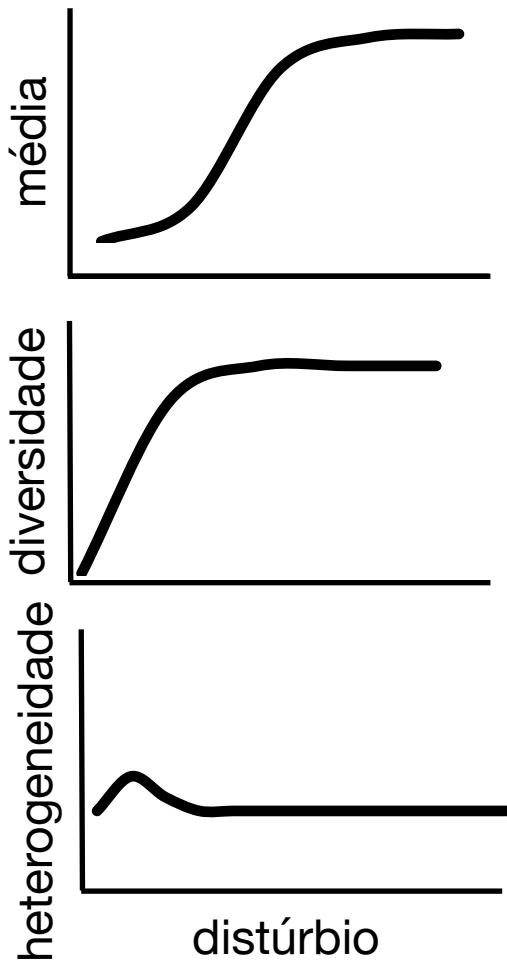
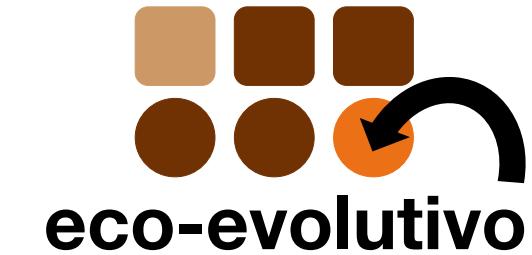
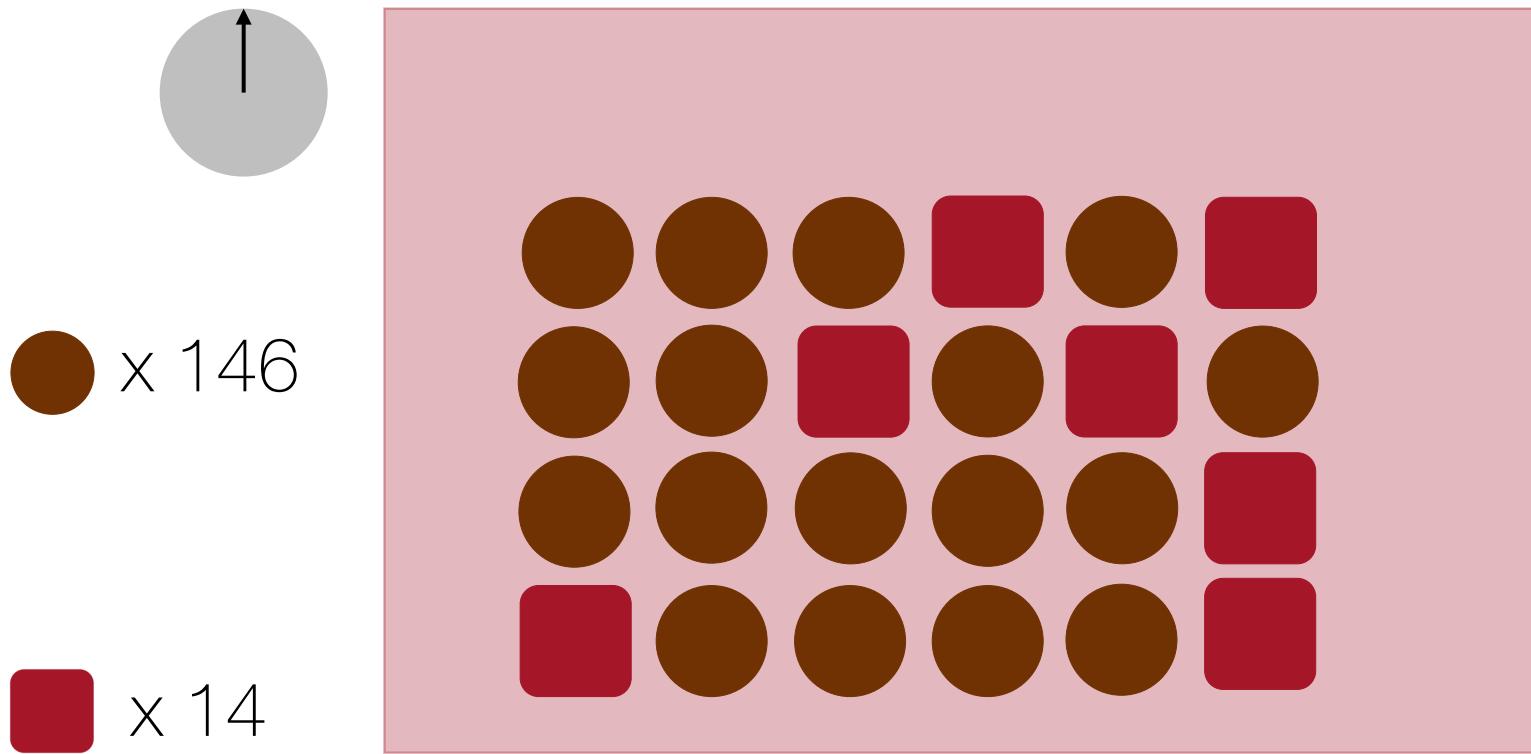
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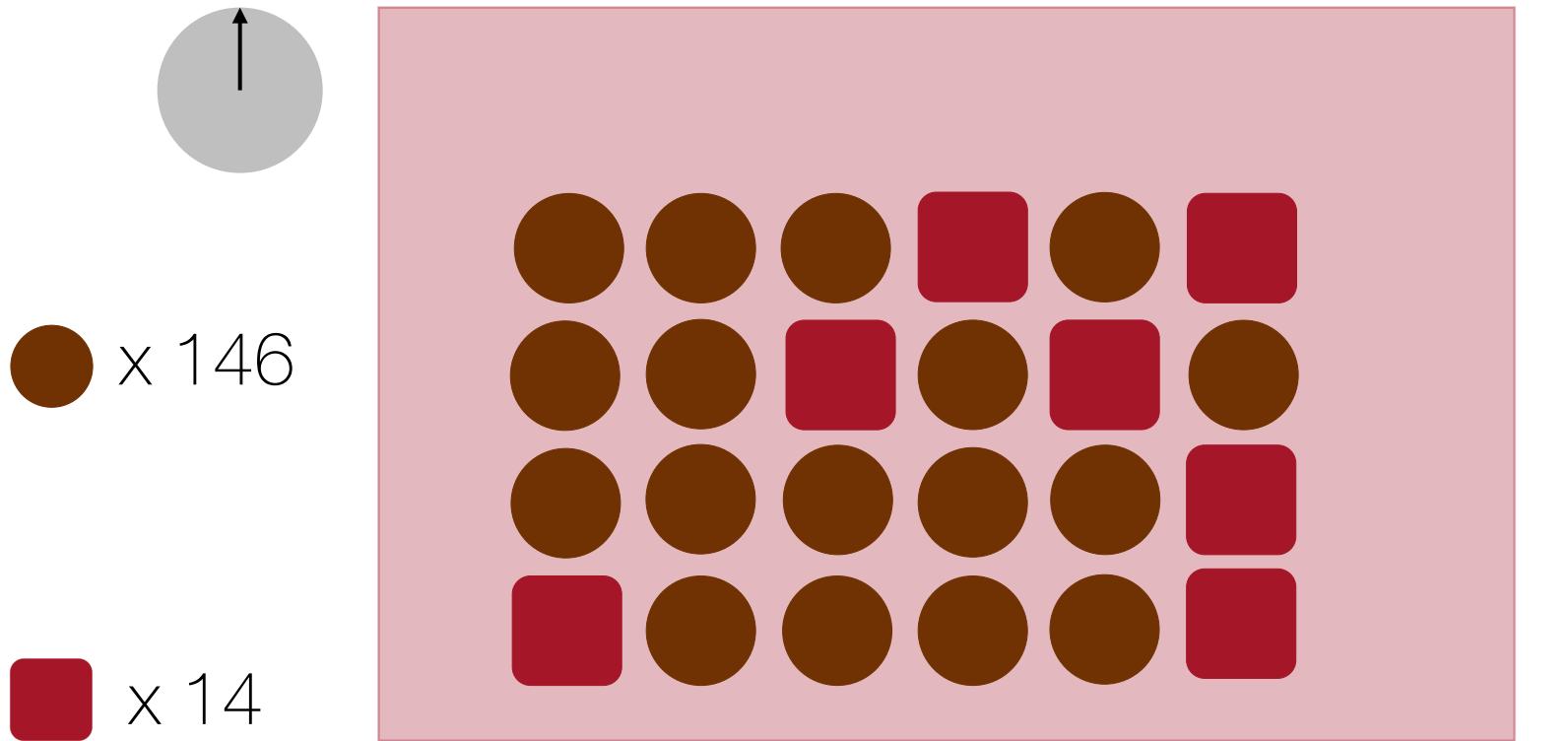
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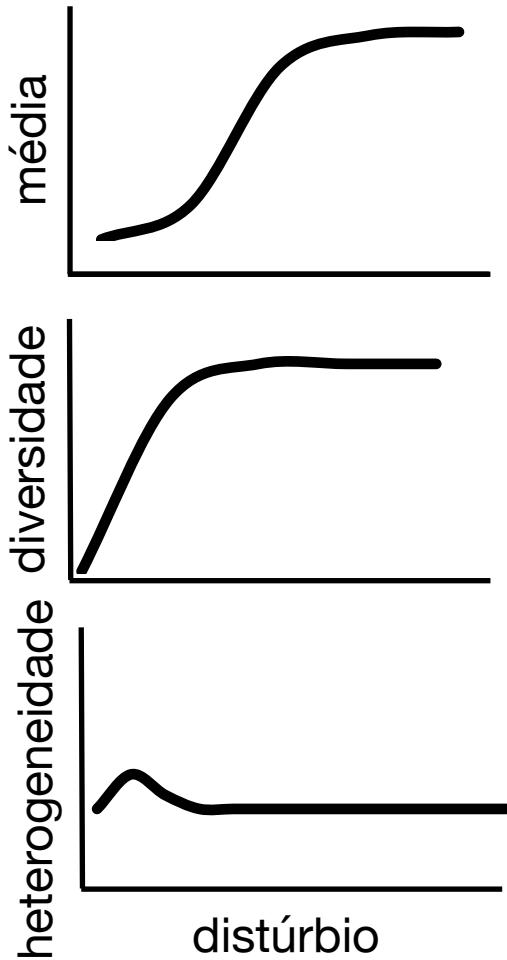
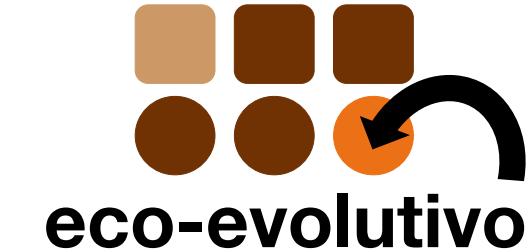
coexistência de estratégias mediada pelo distúrbio



coexistência de estratégias mediada pelo distúrbio

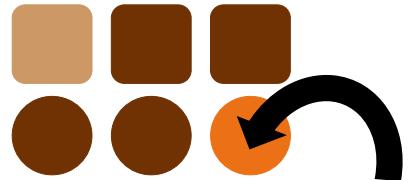


coexistência de especialistas

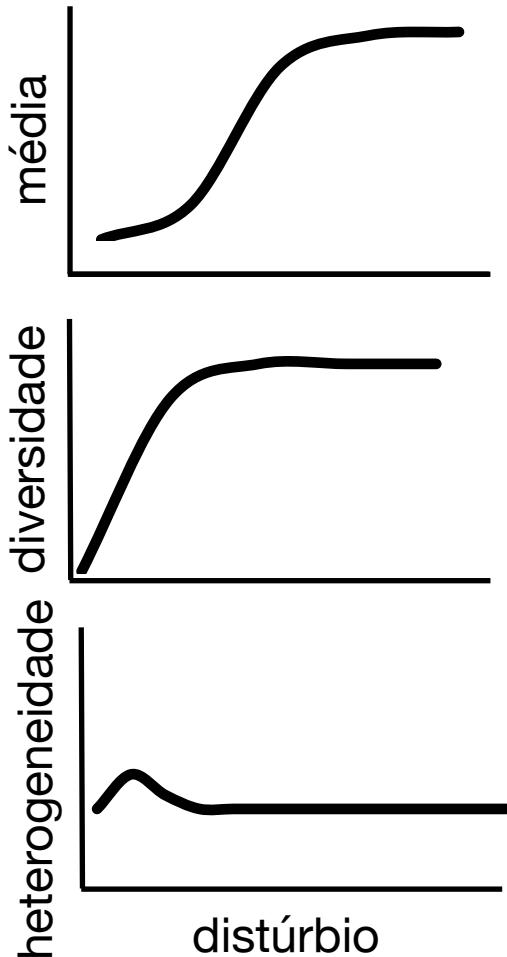


coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo

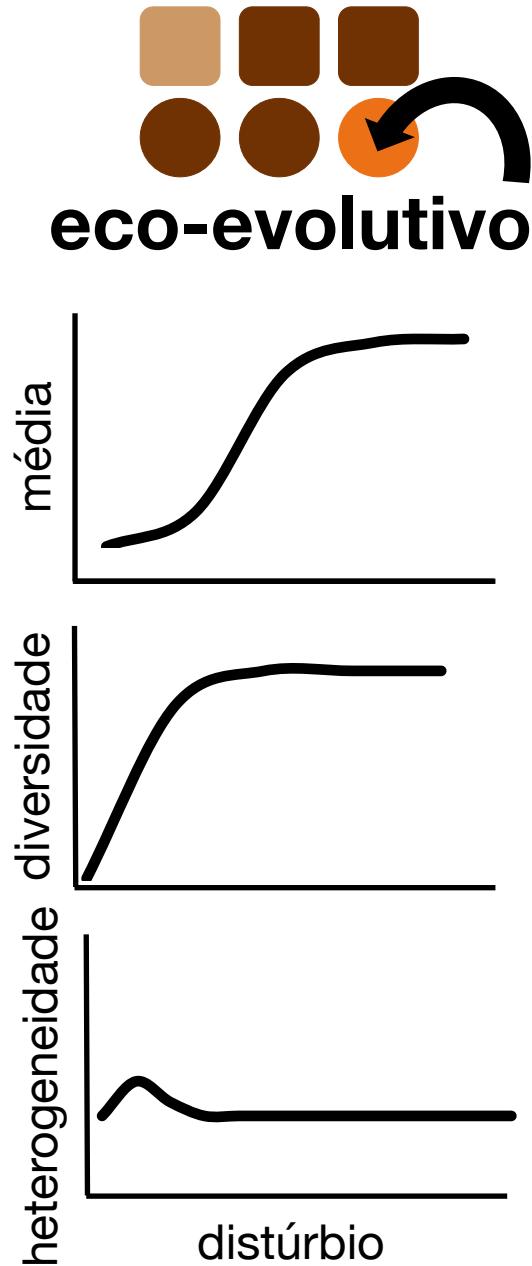
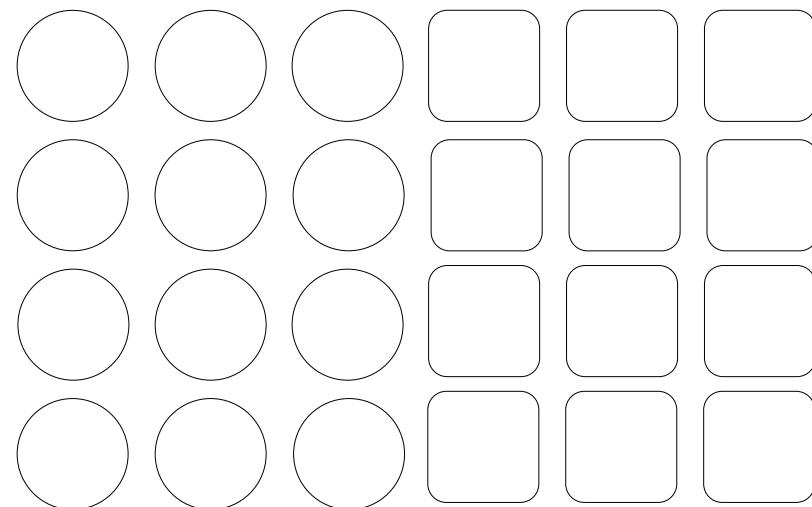


eco-evolutivo



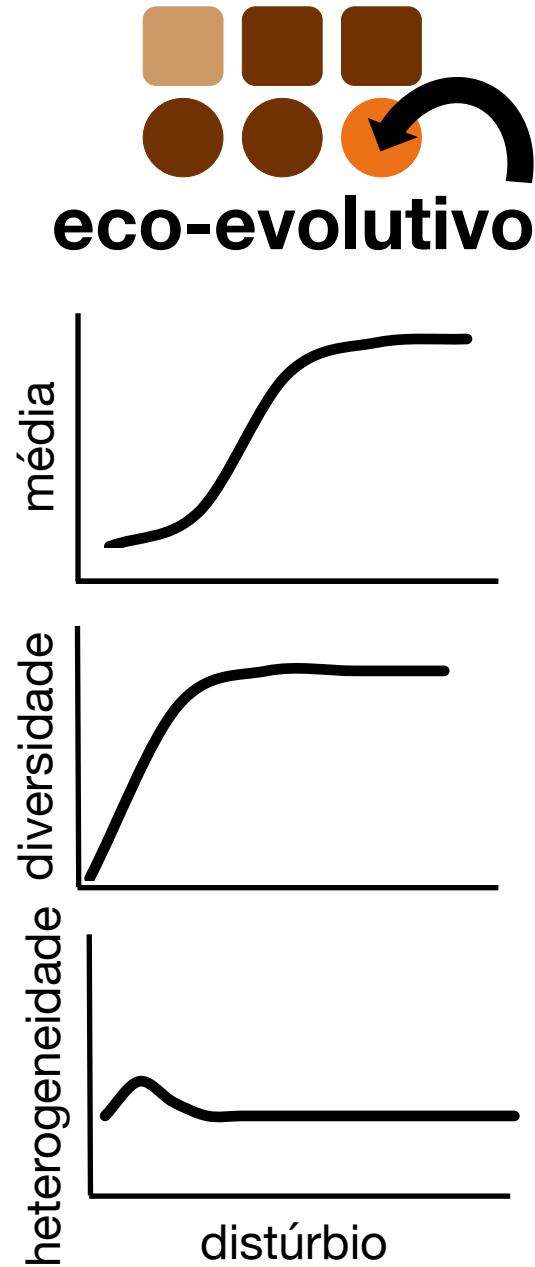
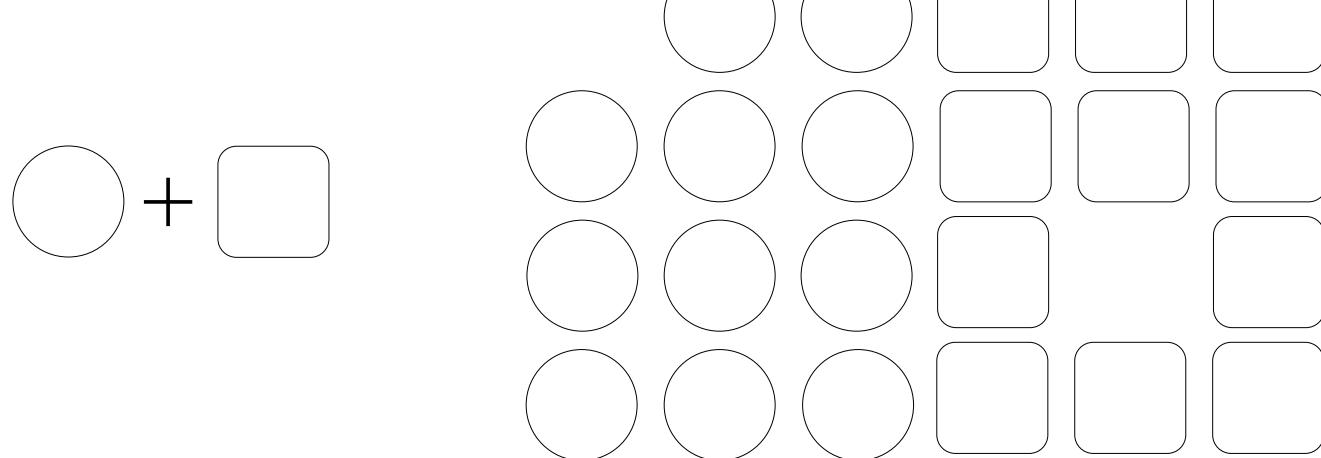
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = isolamento reprodutivo



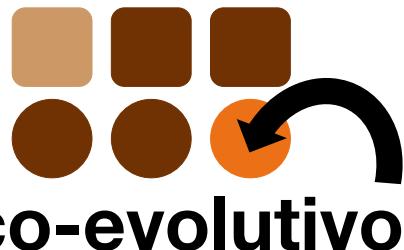
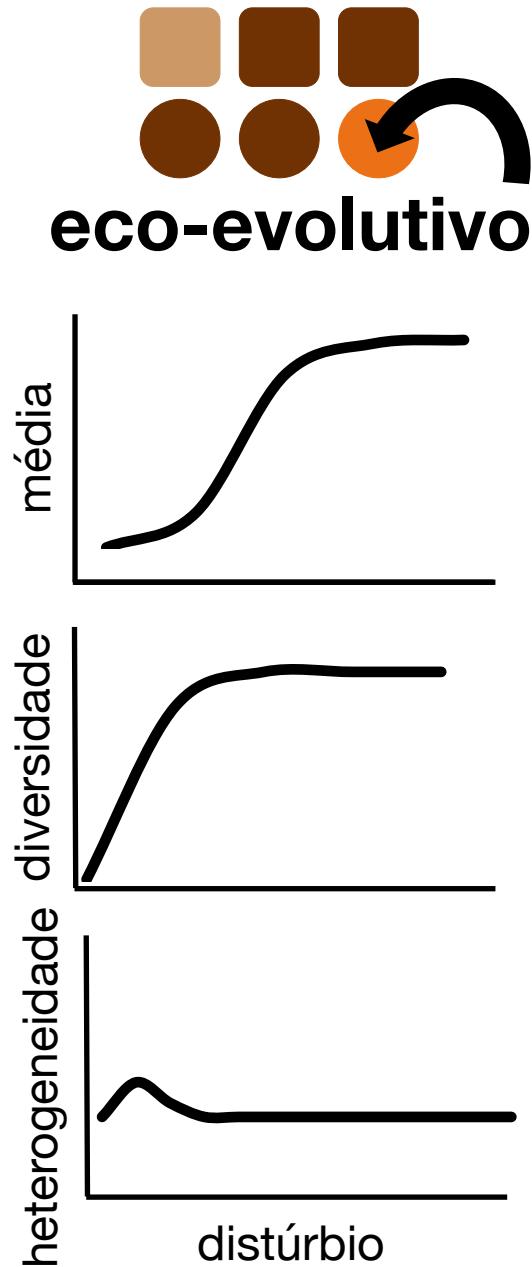
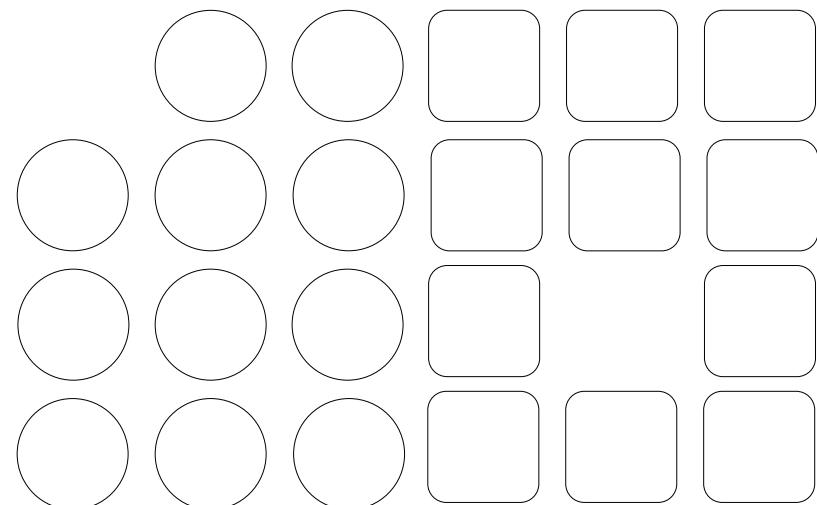
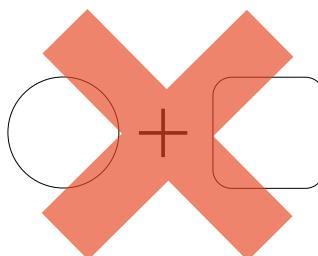
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = isolamento reprodutivo



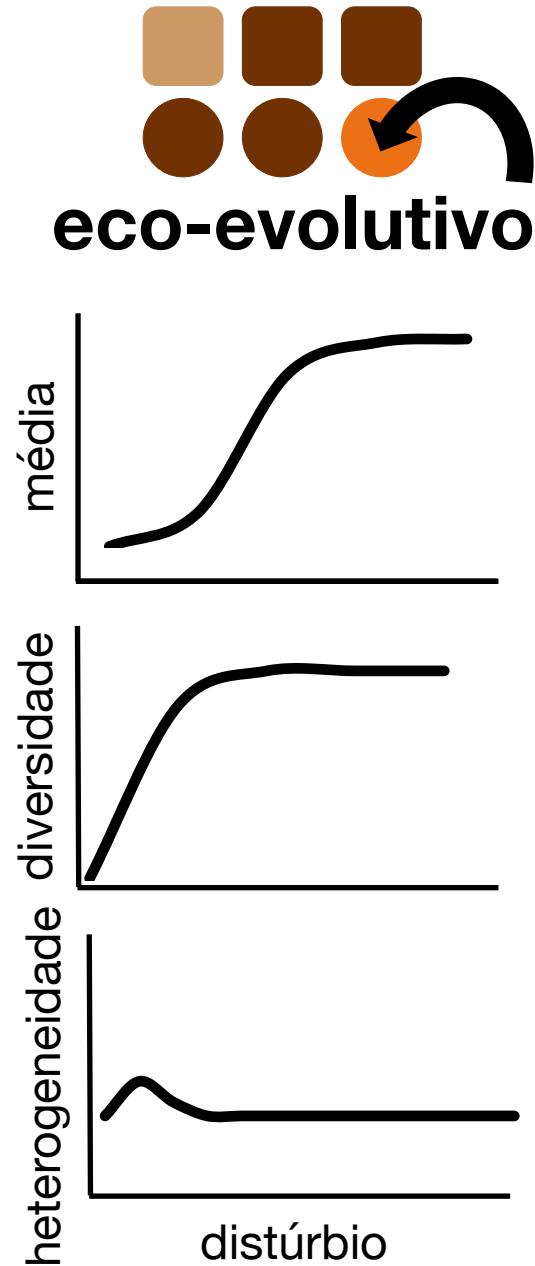
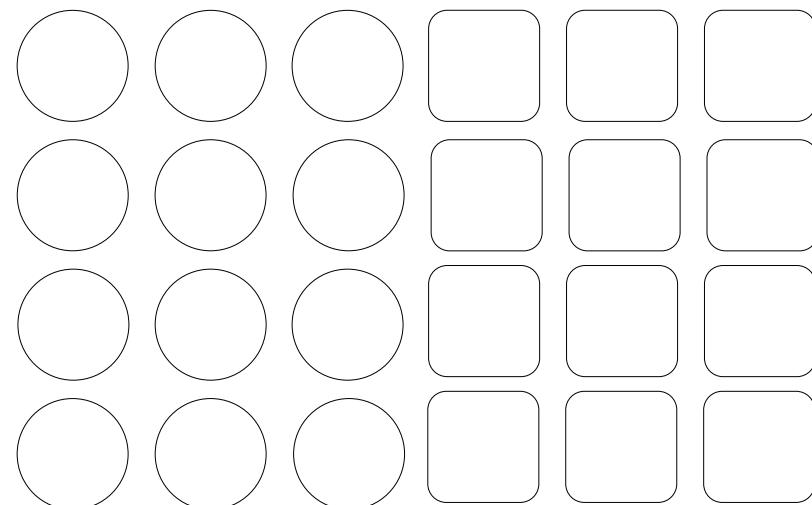
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = isolamento reprodutivo



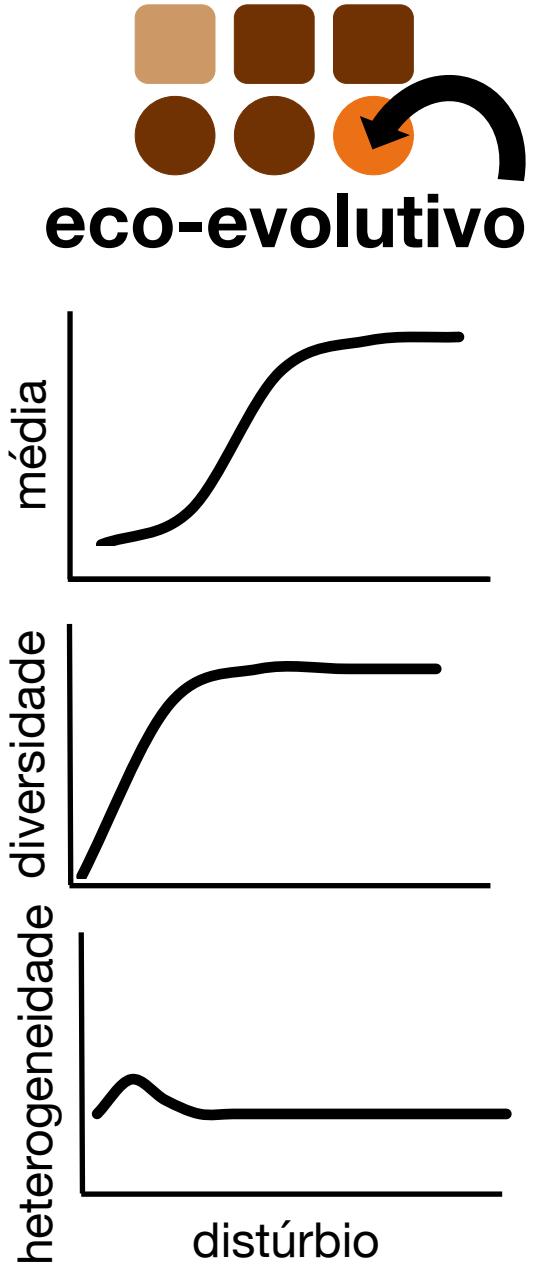
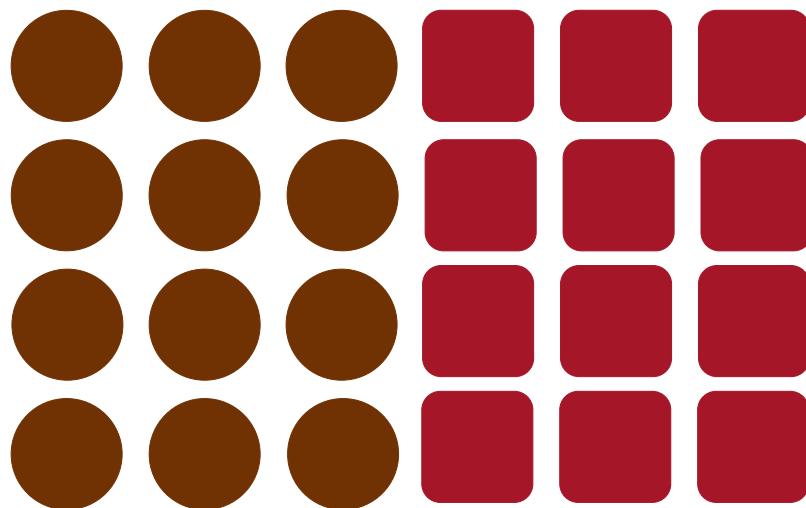
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cenário eco-evolutivo = isolamento reprodutivo



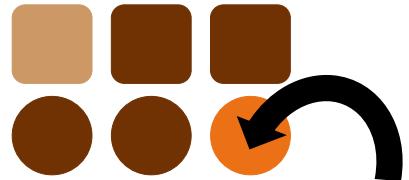
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = isolamento reprodutivo

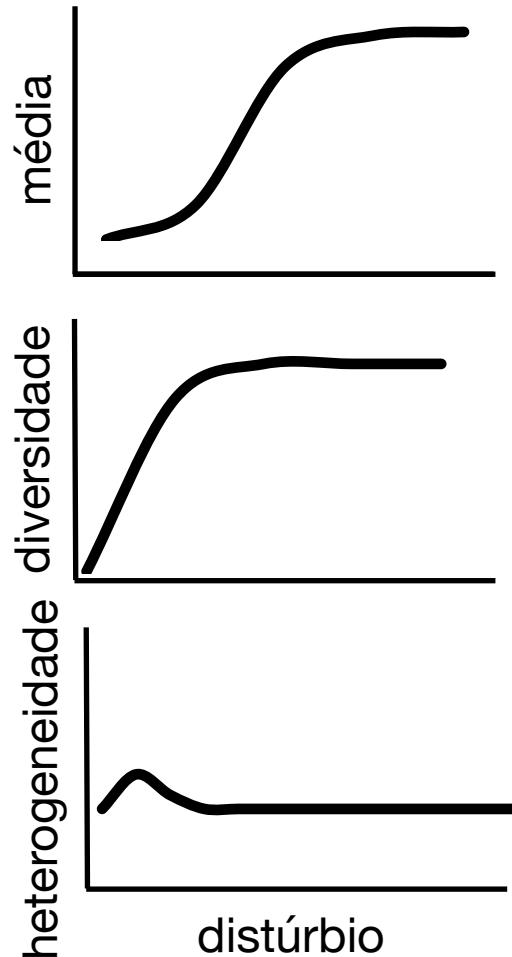


coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação

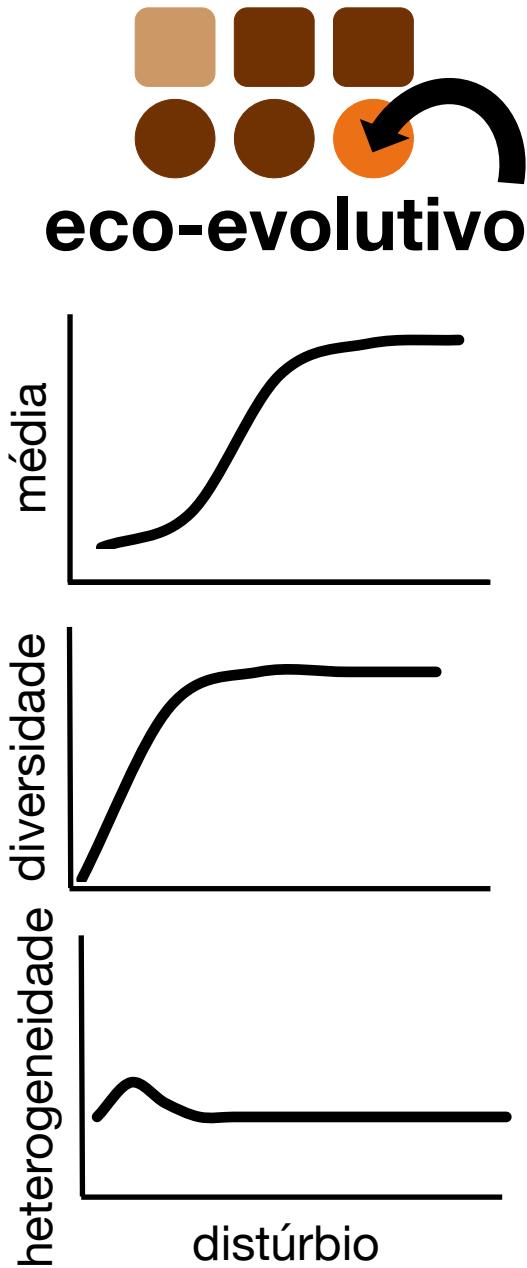
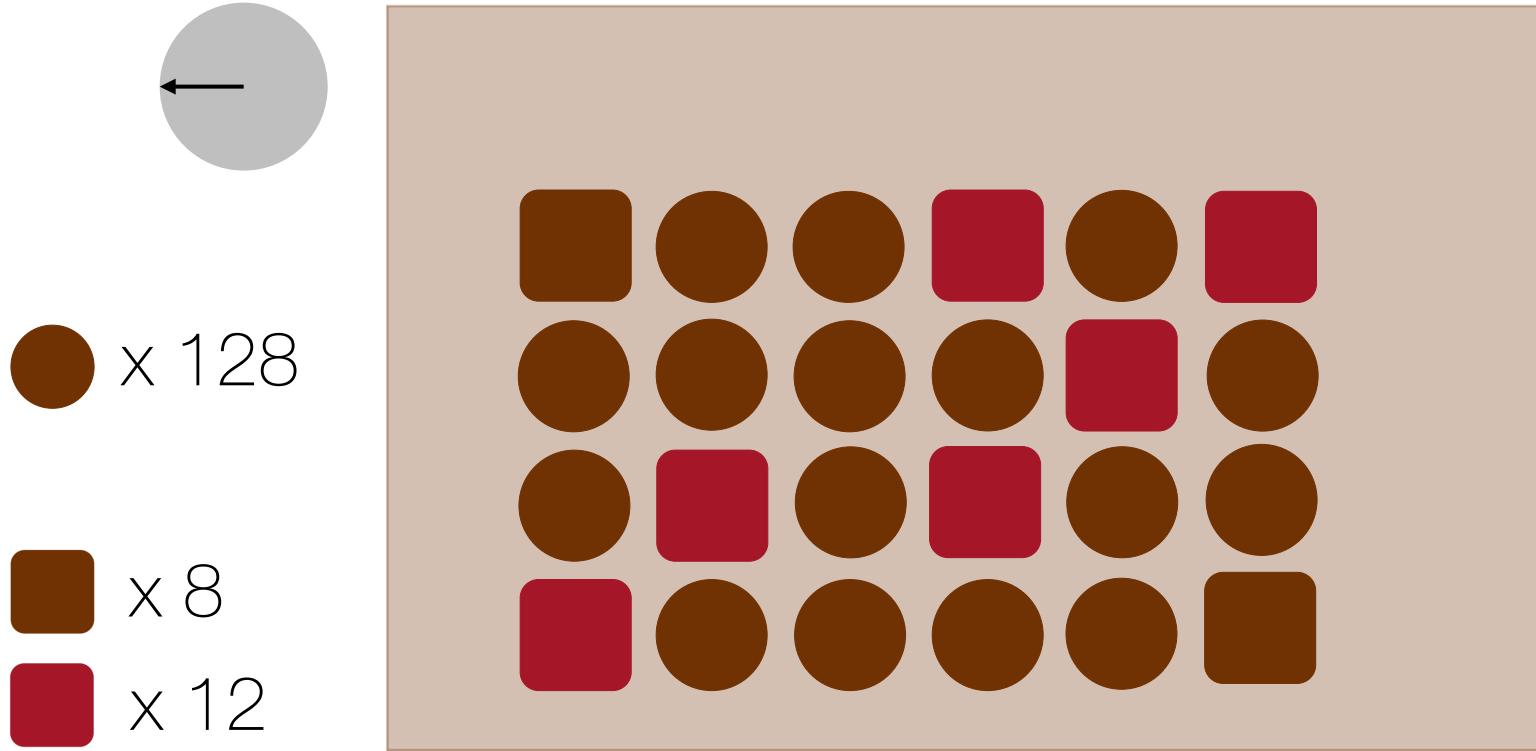


eco-evolutivo



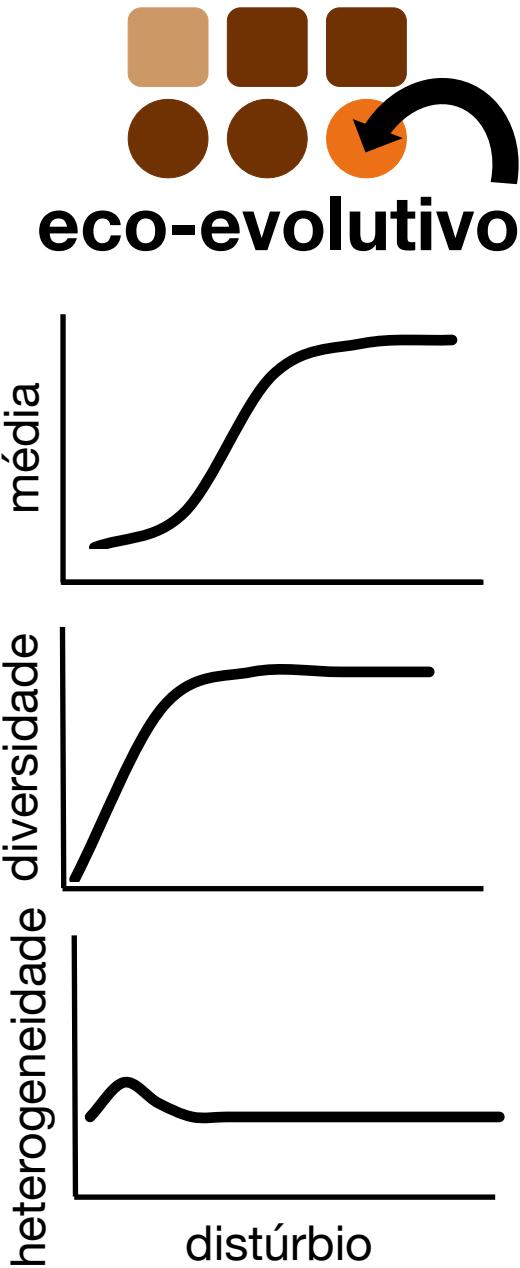
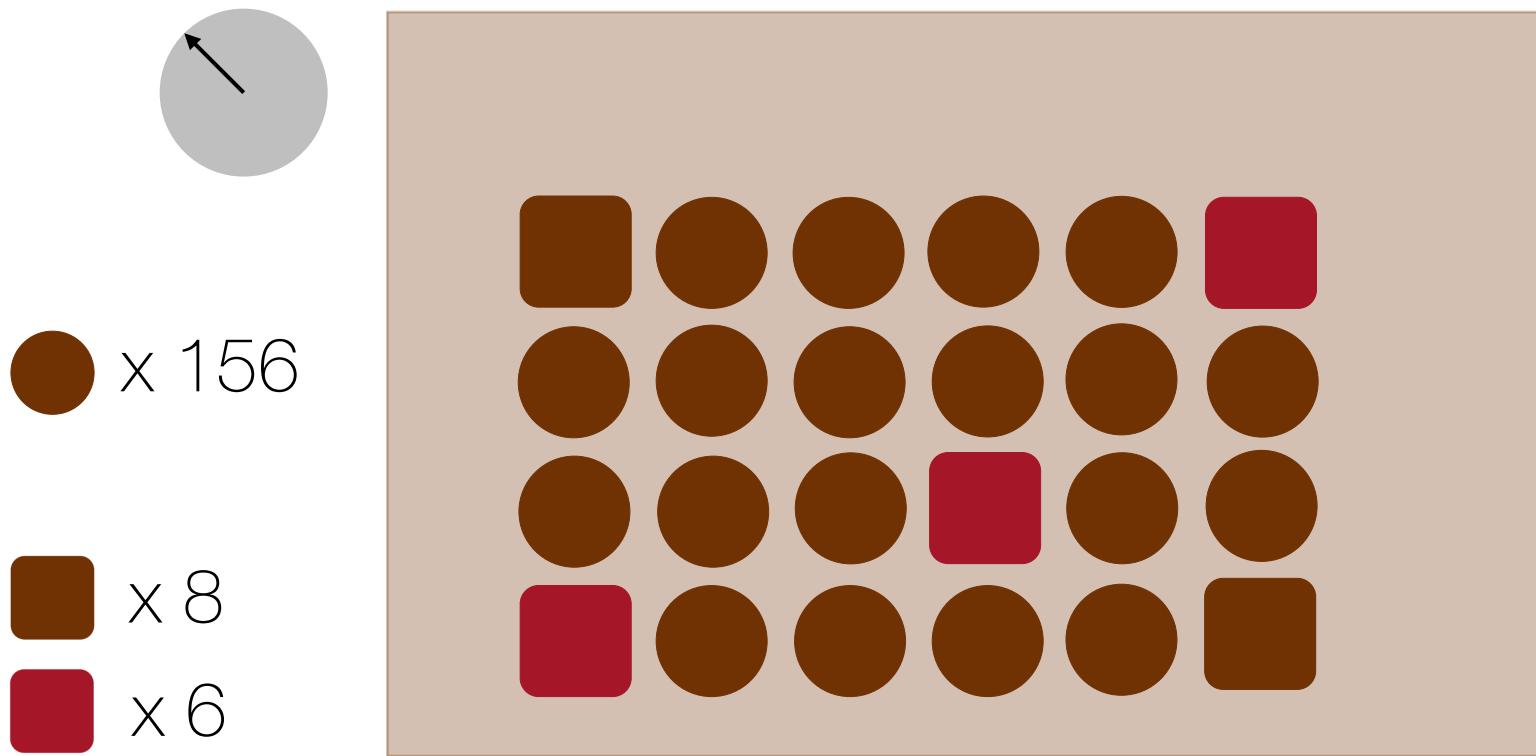
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



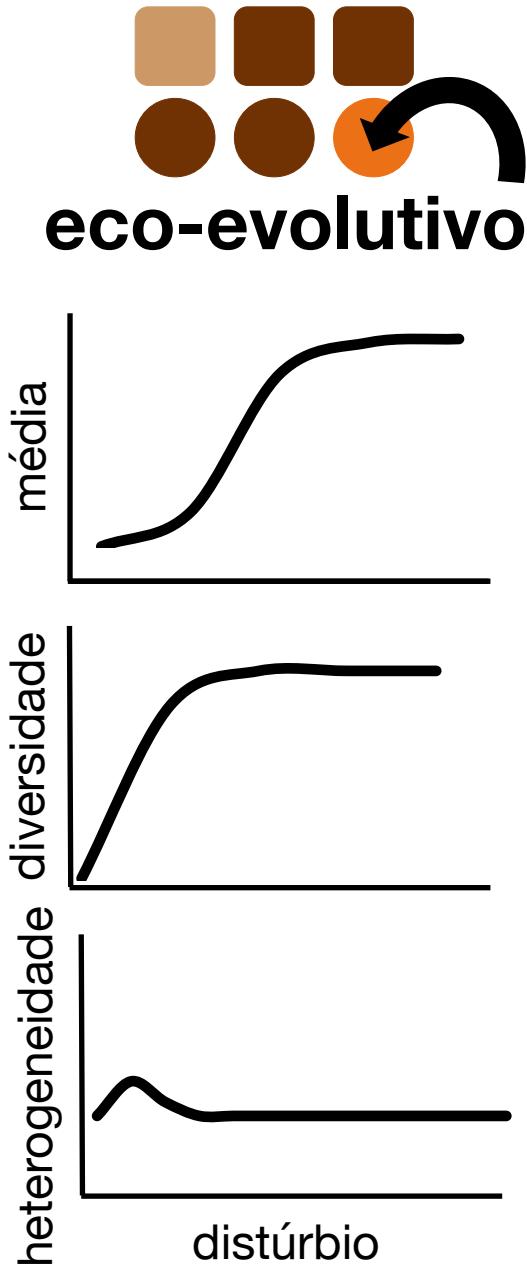
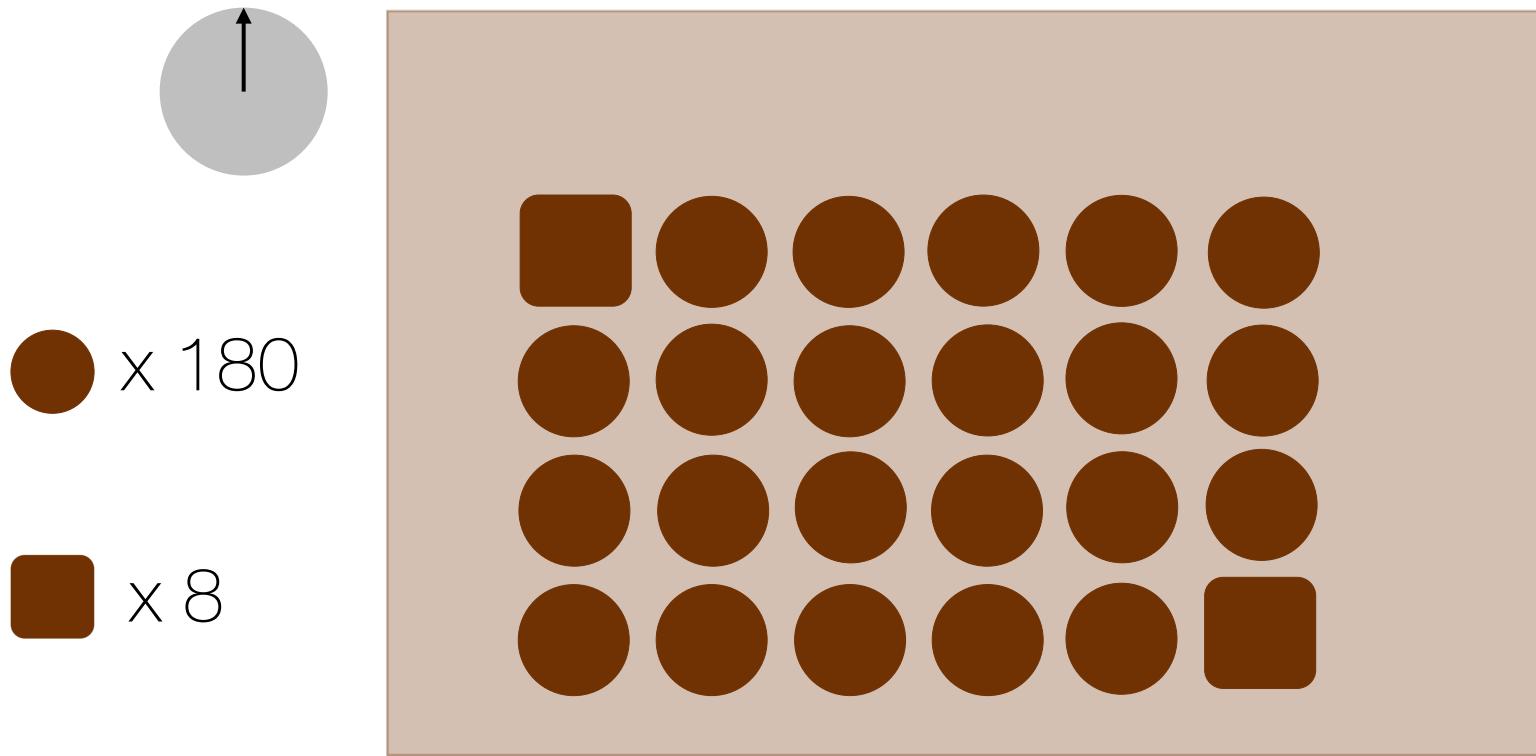
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



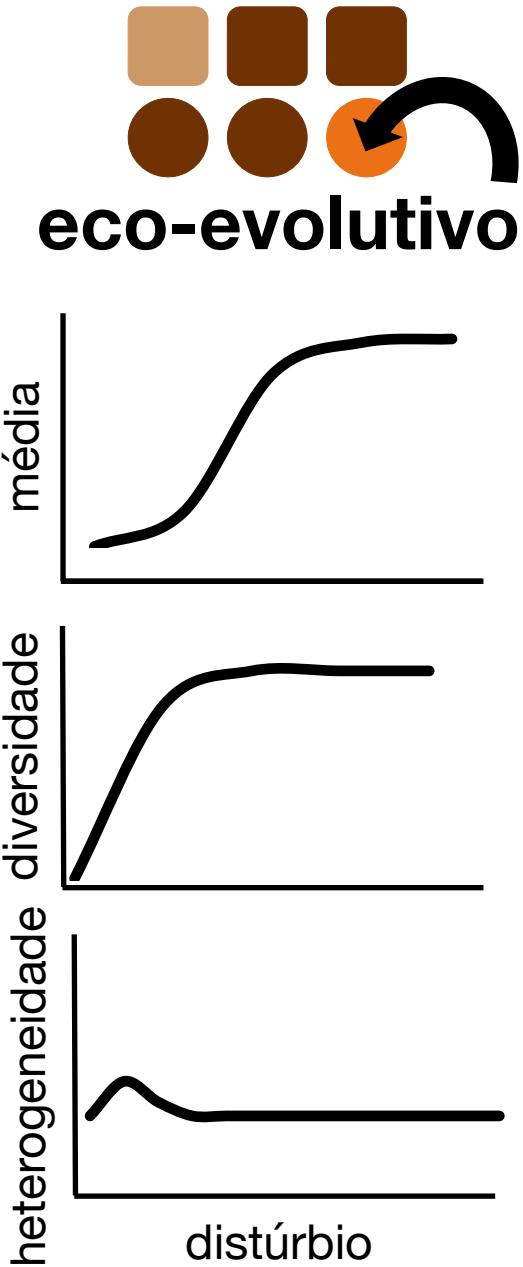
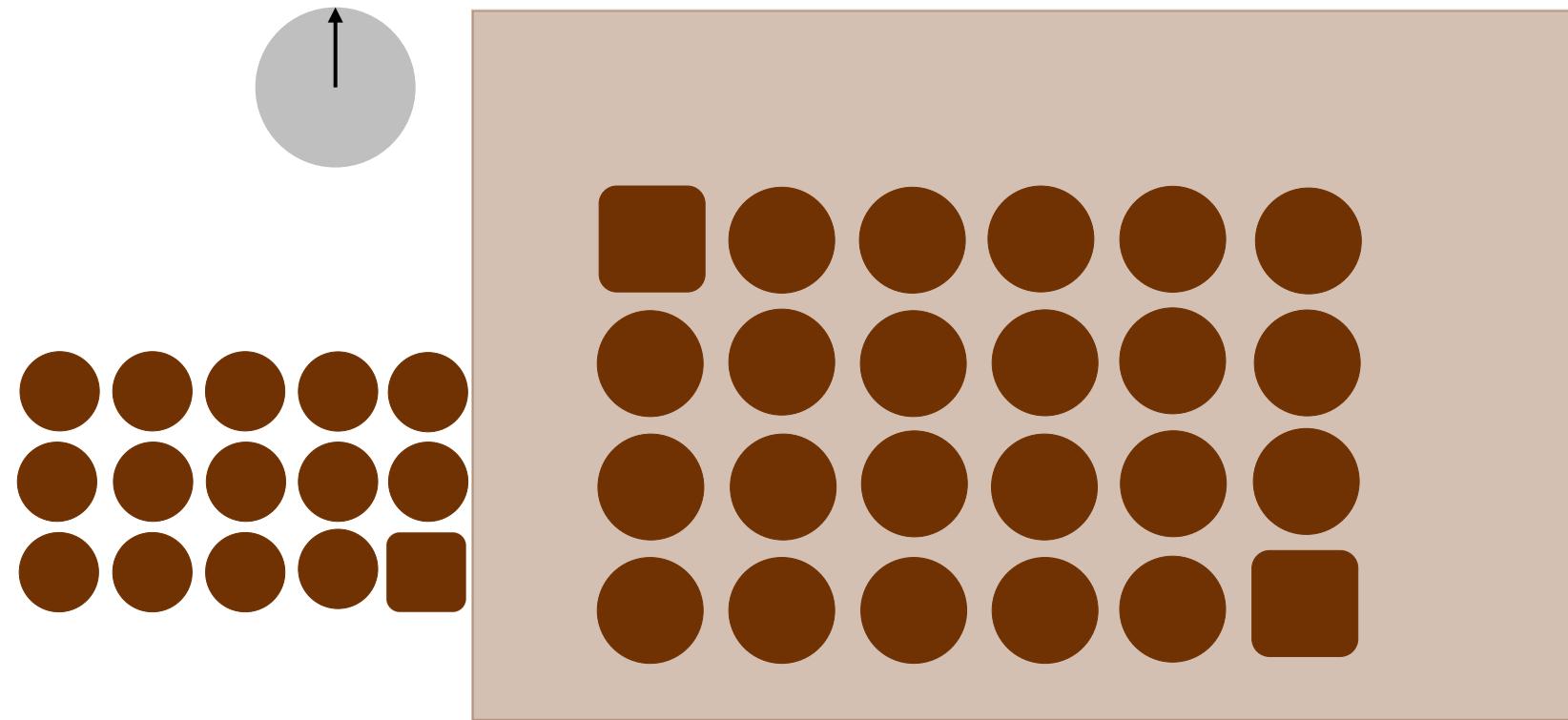
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



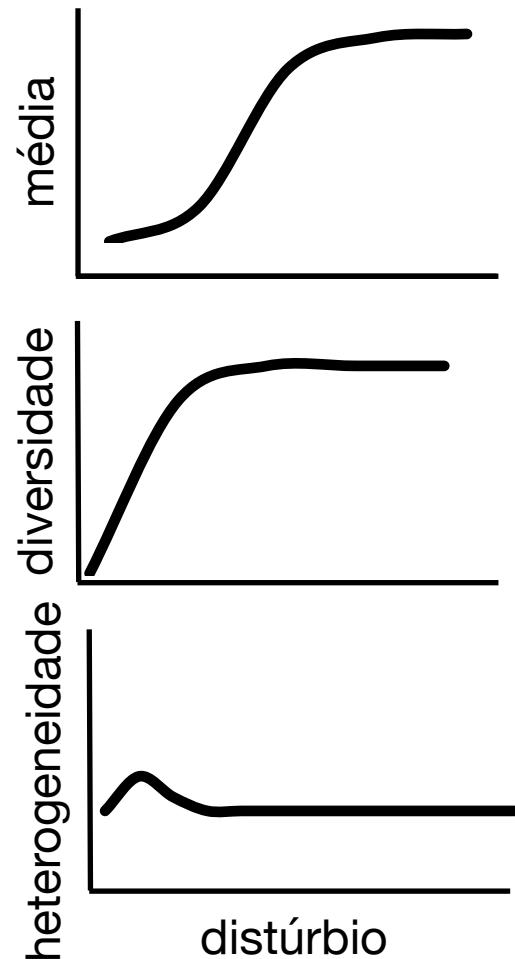
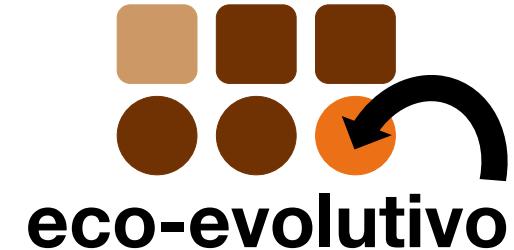
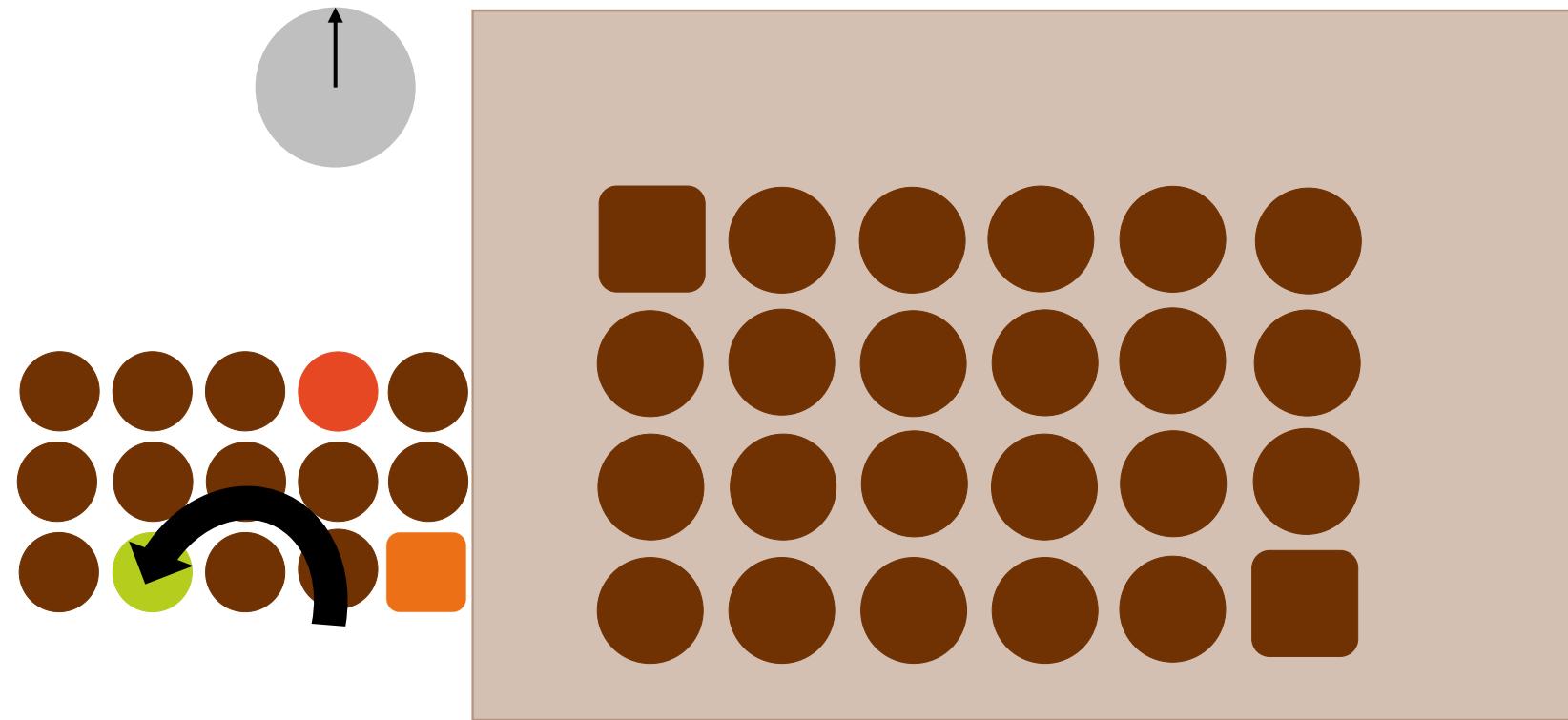
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



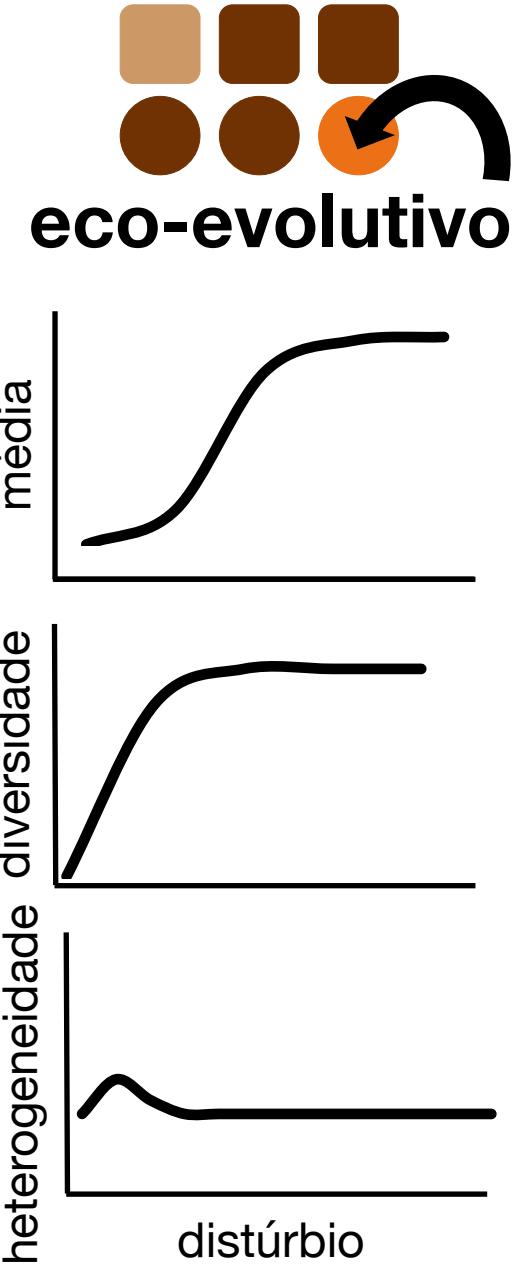
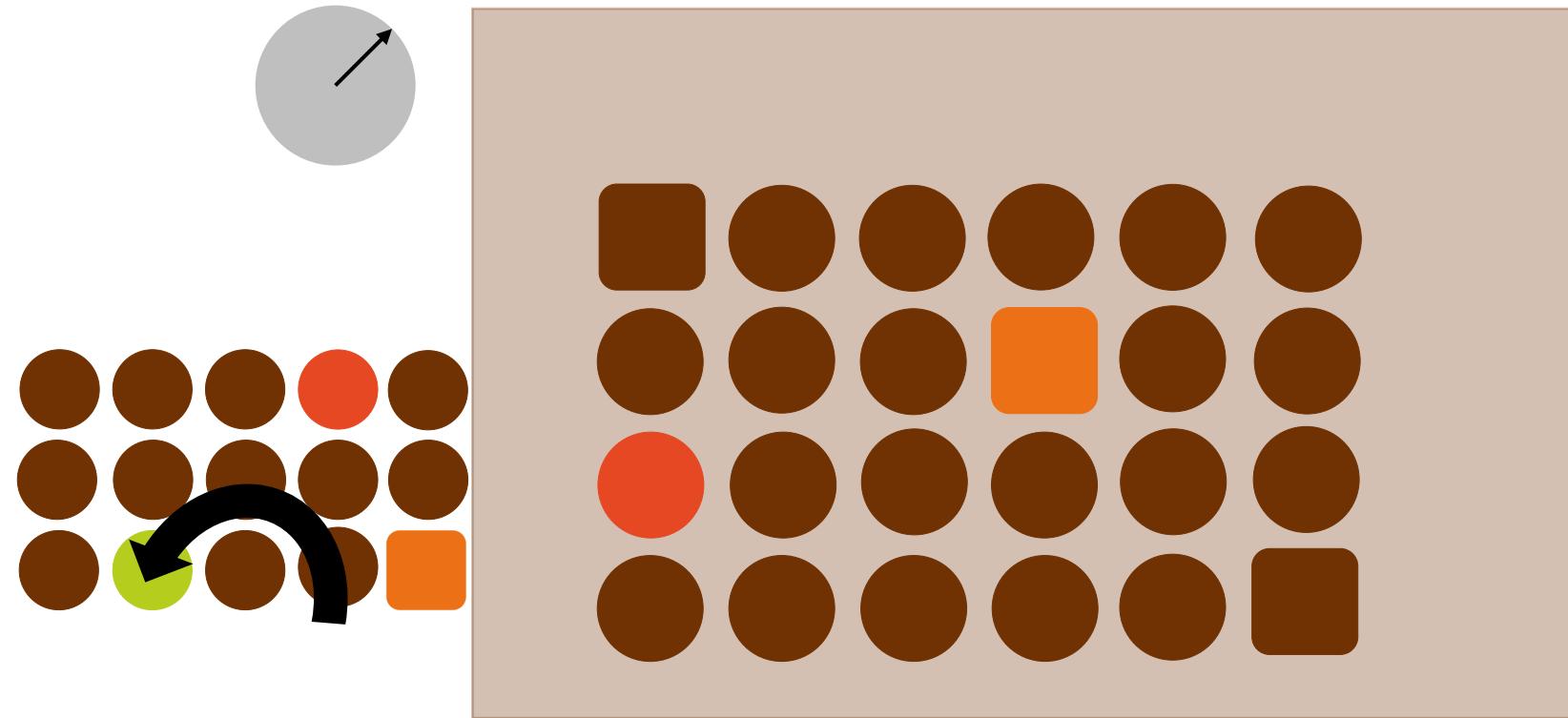
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



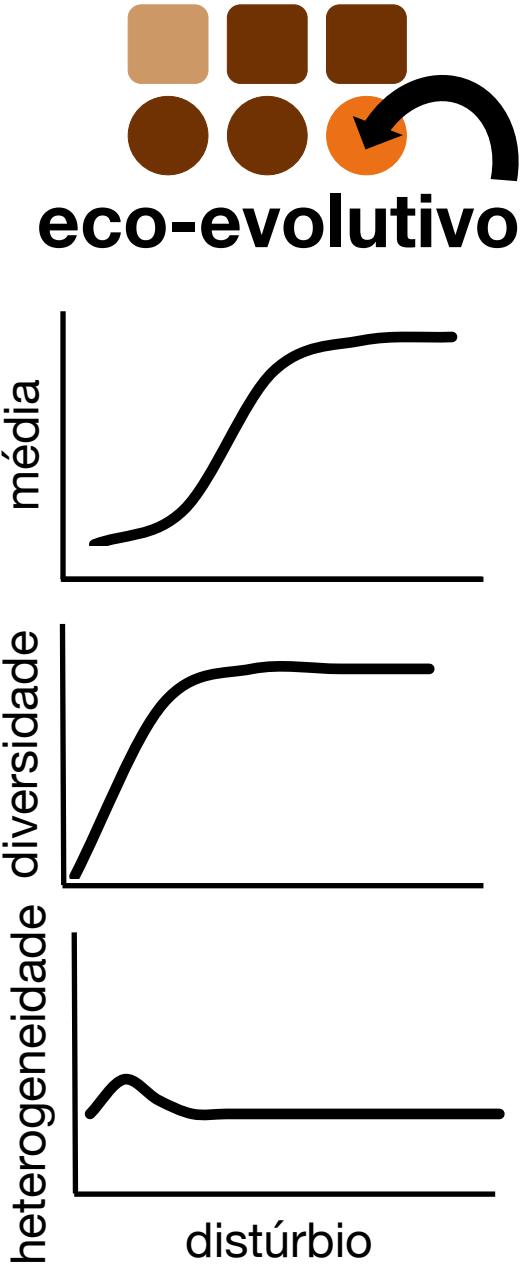
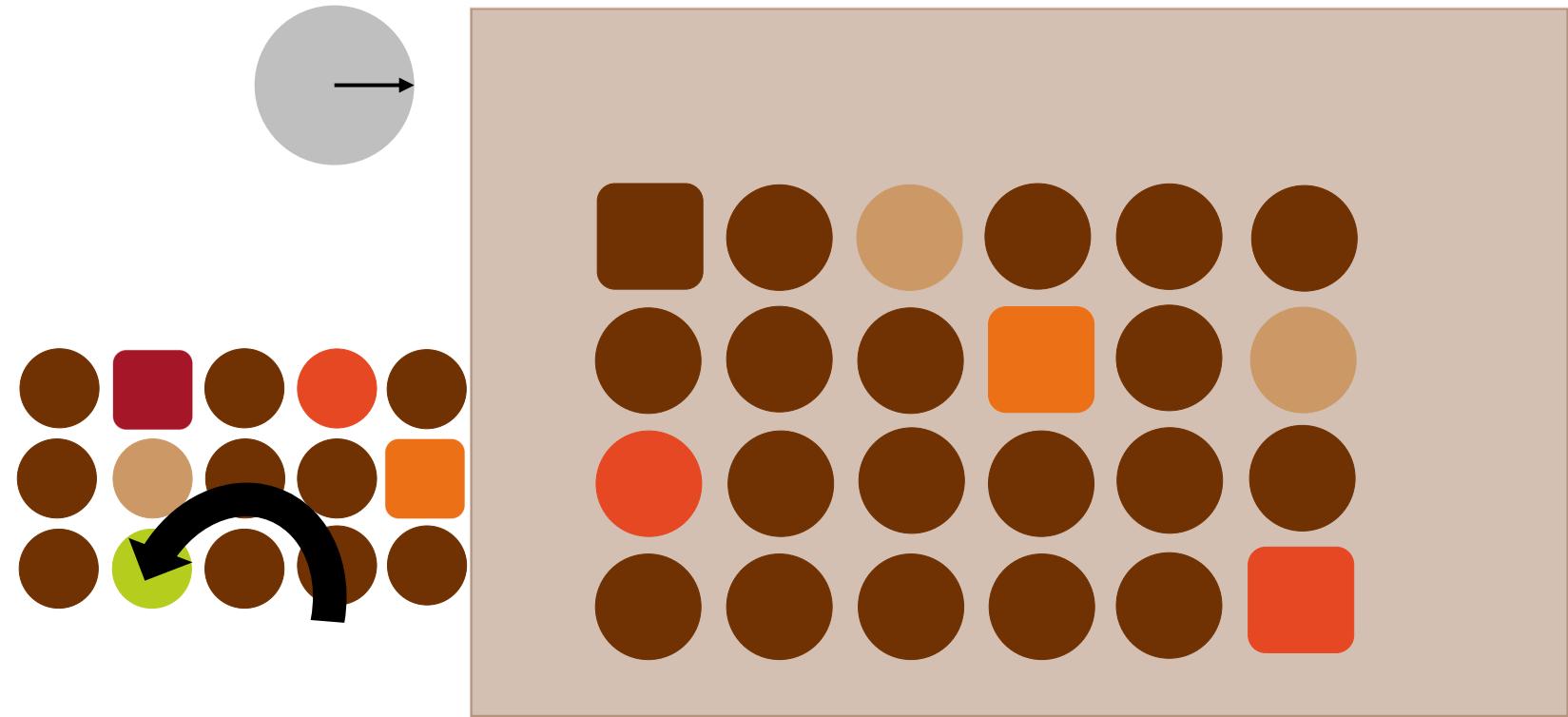
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



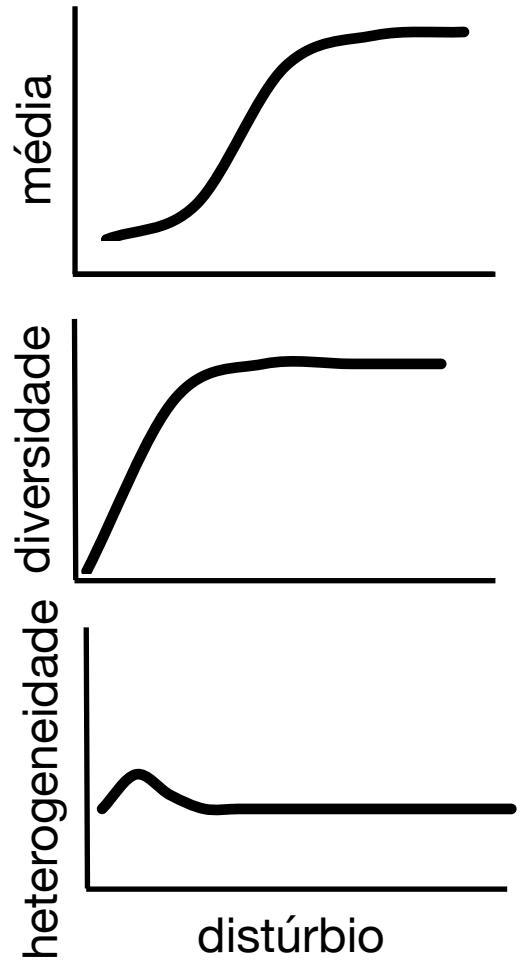
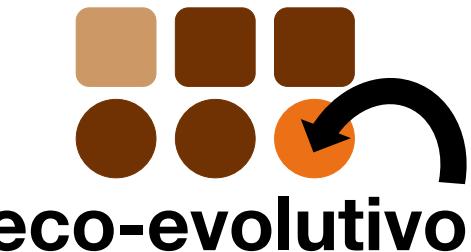
coexistência de estratégias mediada pelo distúrbio

cenário eco-evolutivo = mutação



coexistência de estratégias mediada pelo distúrbio

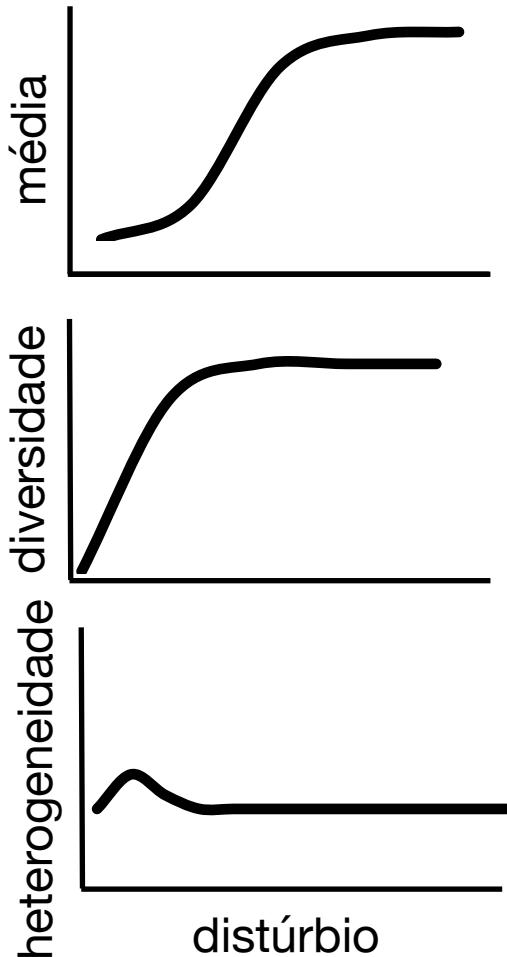
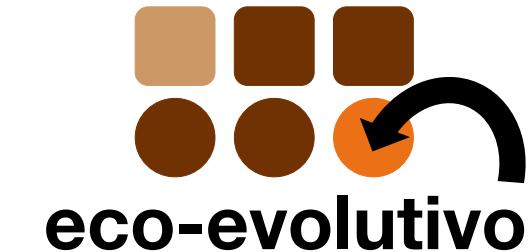
storage effect:



coexistência de estratégias mediada pelo distúrbio

storage effect:

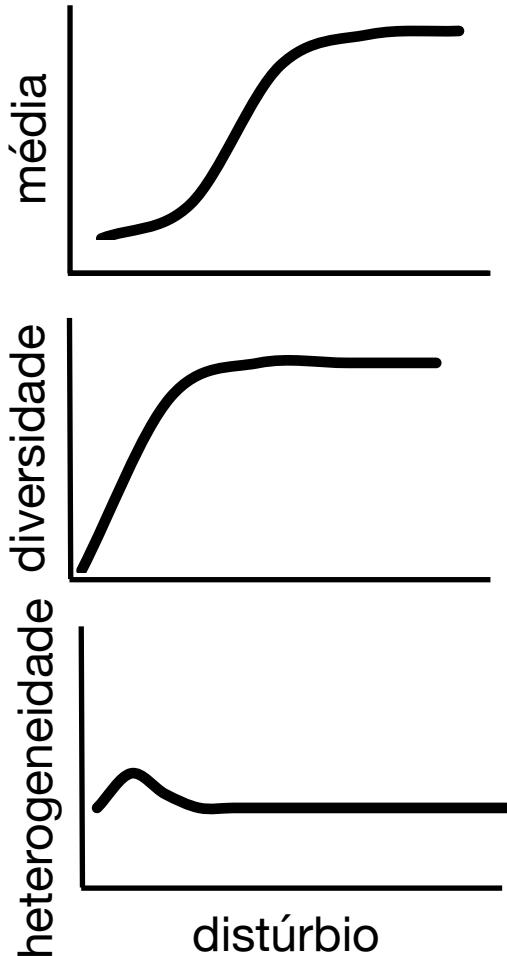
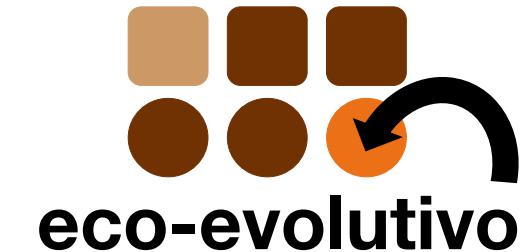
- diferença na resposta ao ambiente



coexistência de estratégias mediada pelo distúrbio

storage effect:

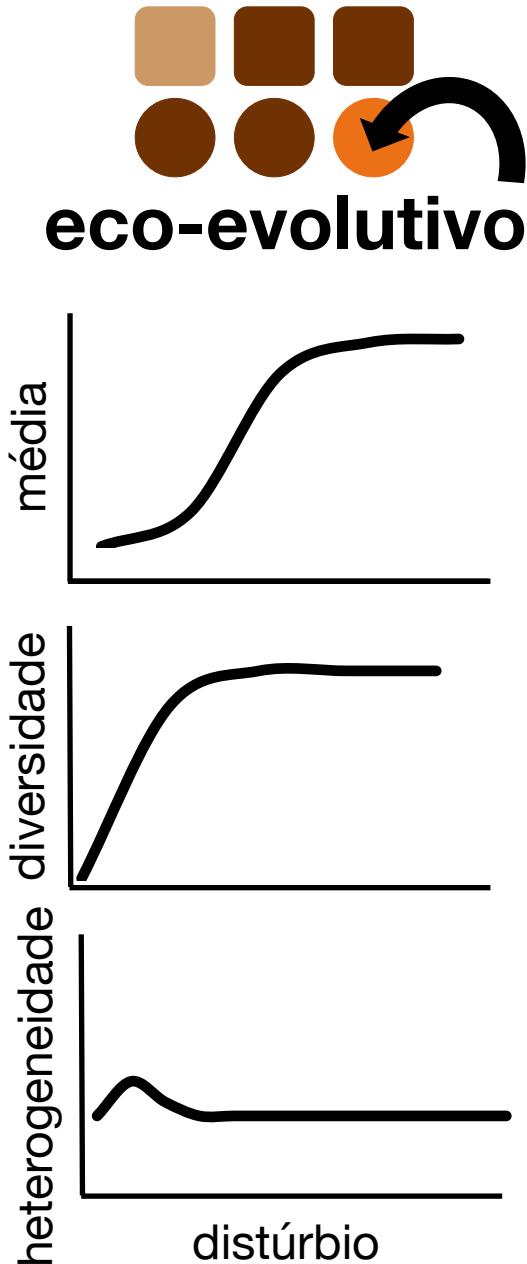
- diferença na reposita ao ambiente
- crescimento populacional tamponado



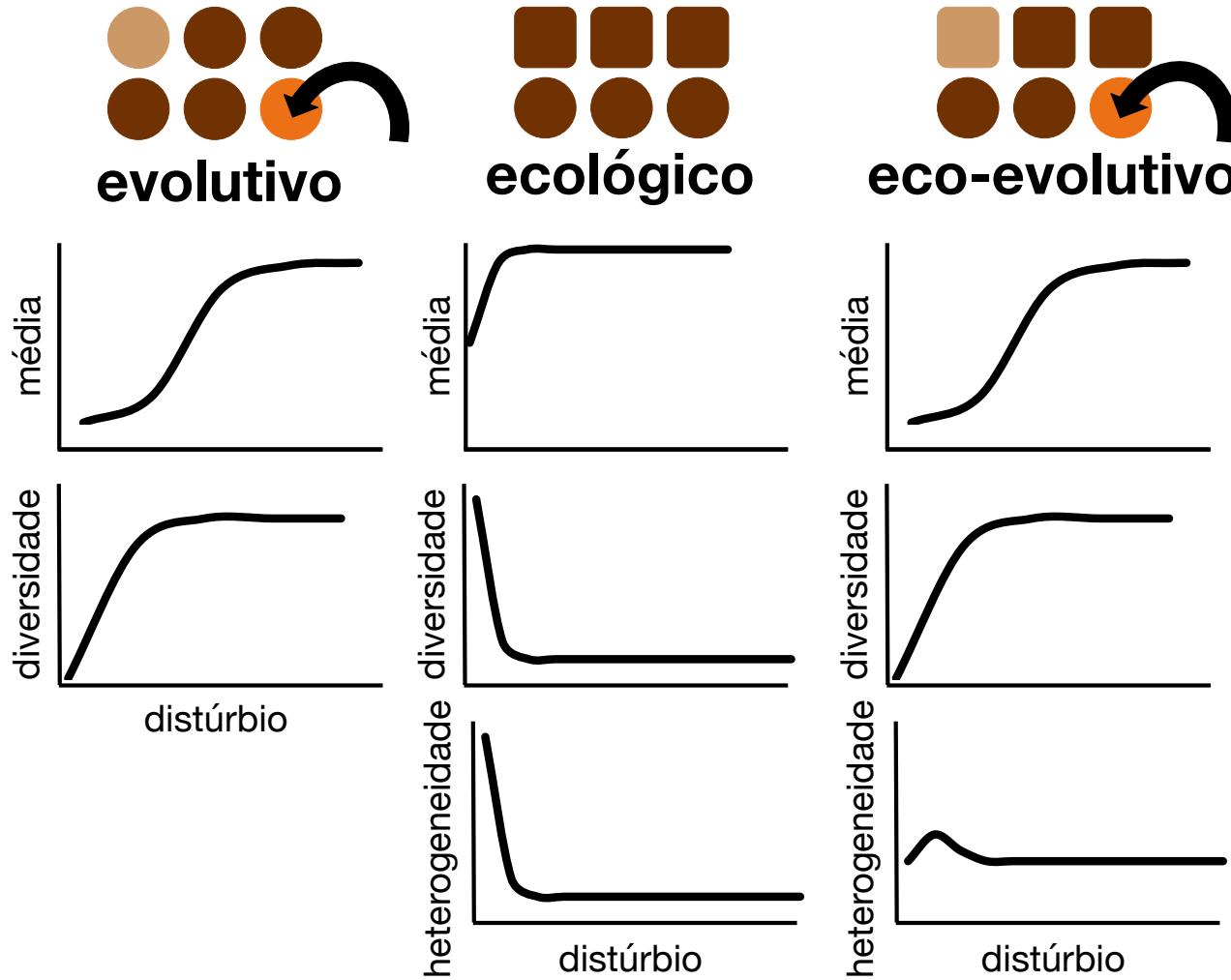
coexistência de estratégias mediada pelo distúrbio

storage effect:

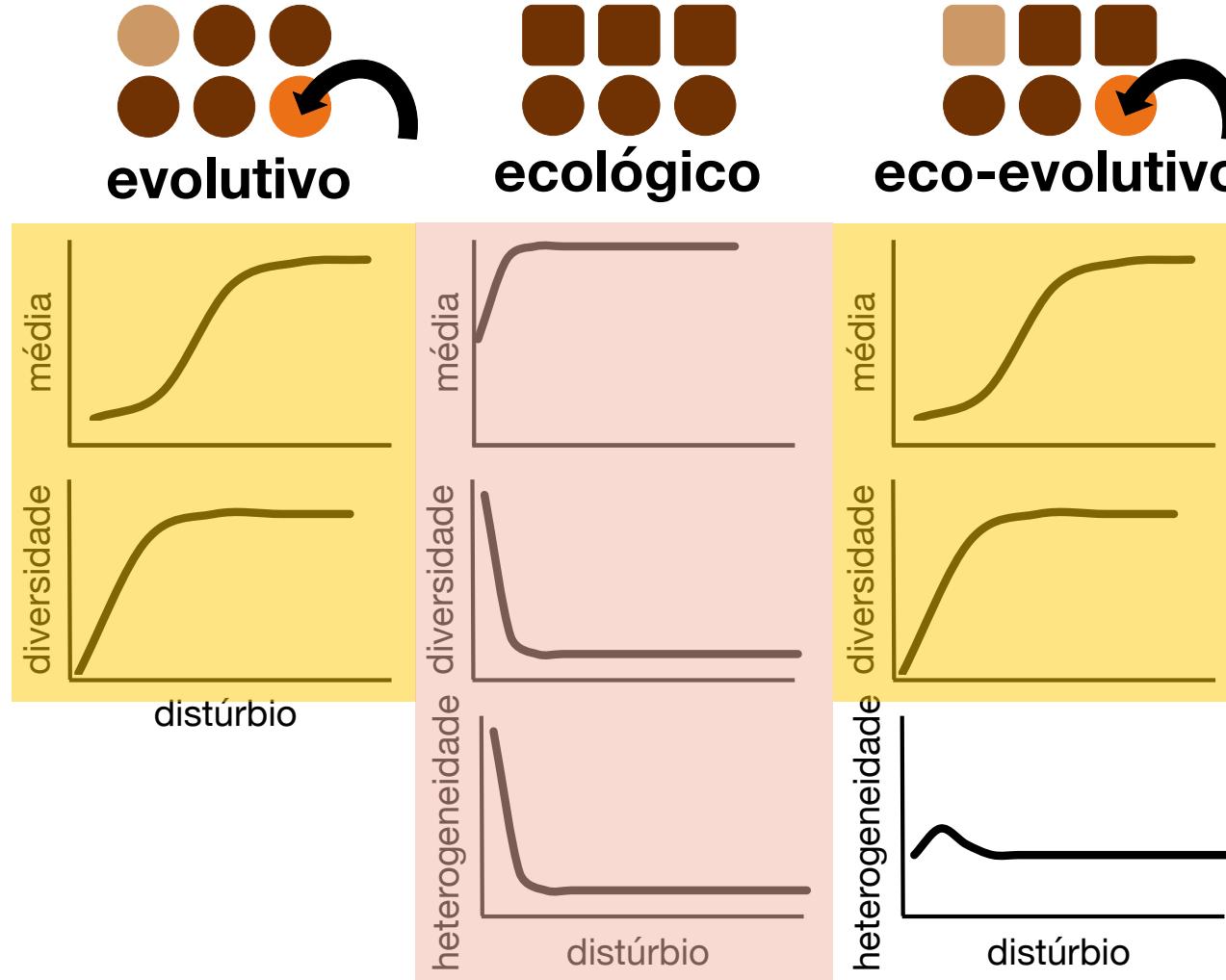
- diferença na reposta ao ambiente
(= isolamento reprodutivo das espécies)
- crescimento populacional tamponado
(= mutação)



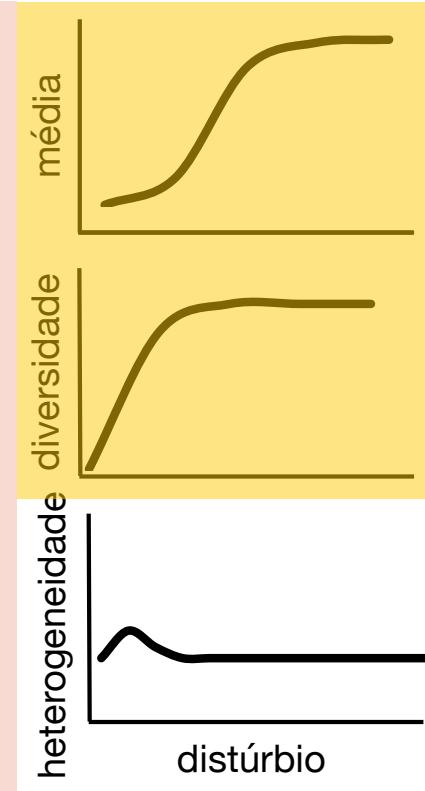
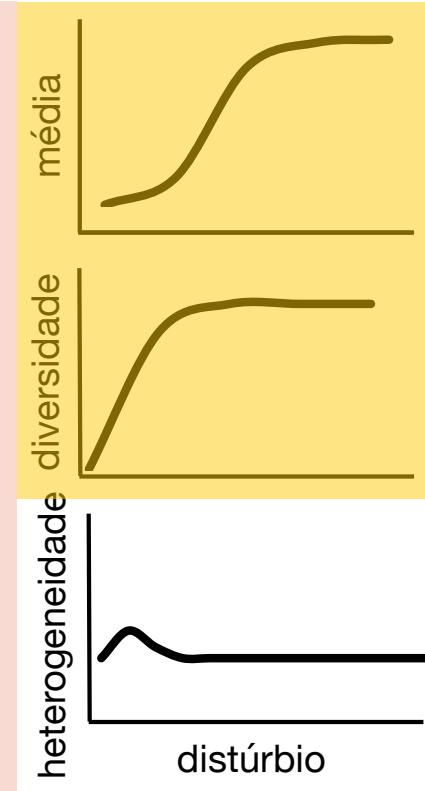
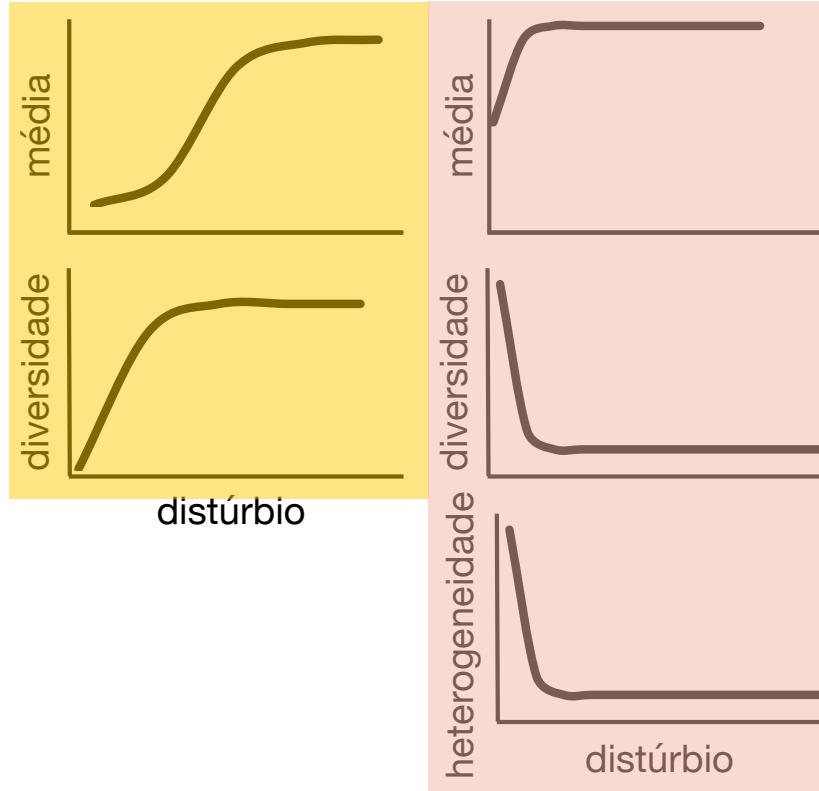
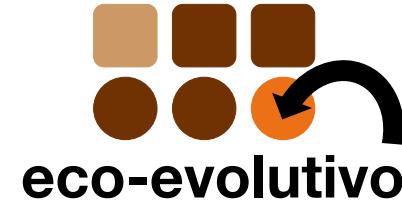
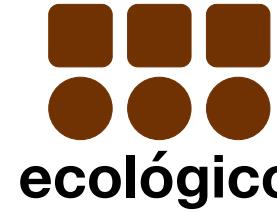
cenários



cenários

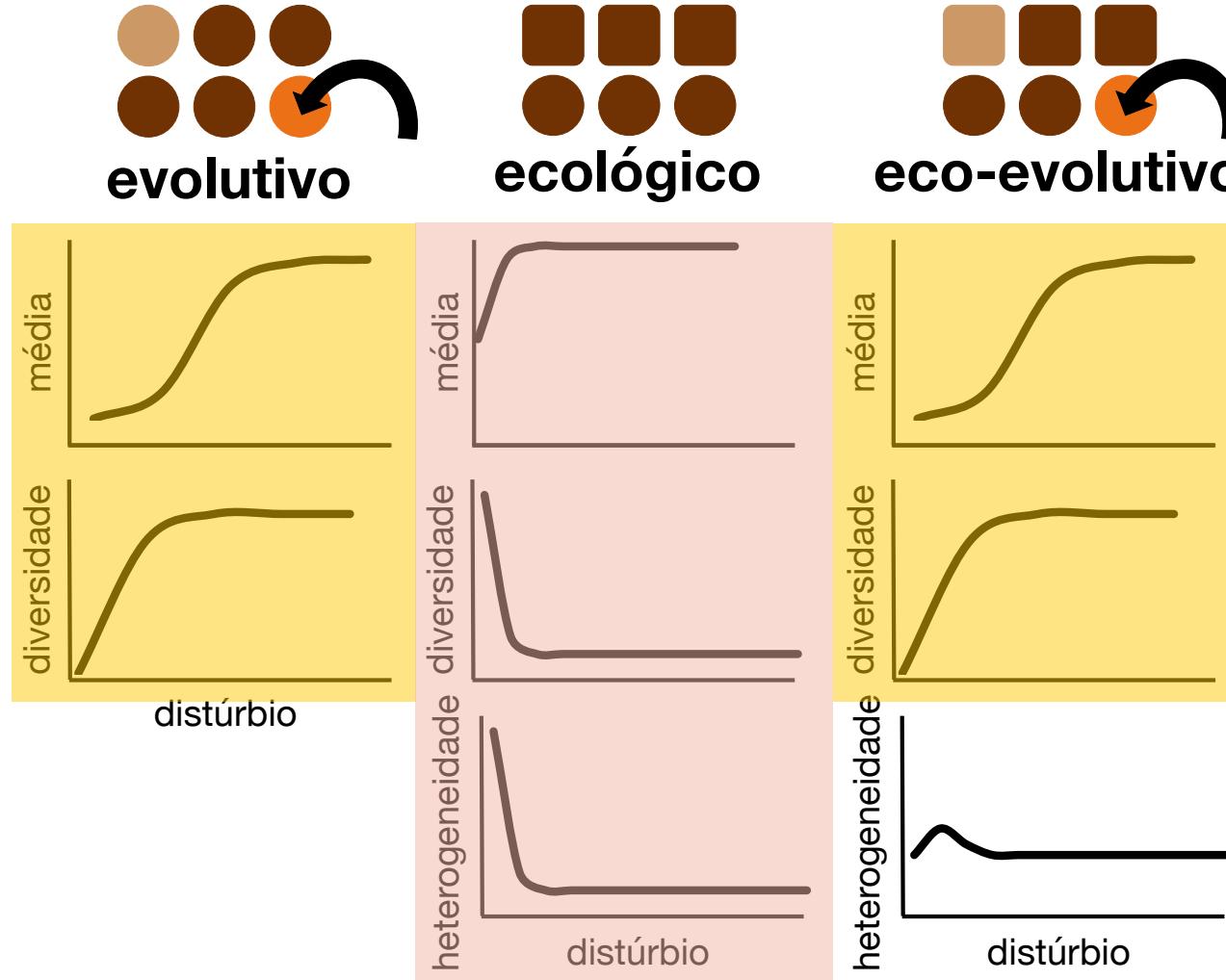


cenários



mutação

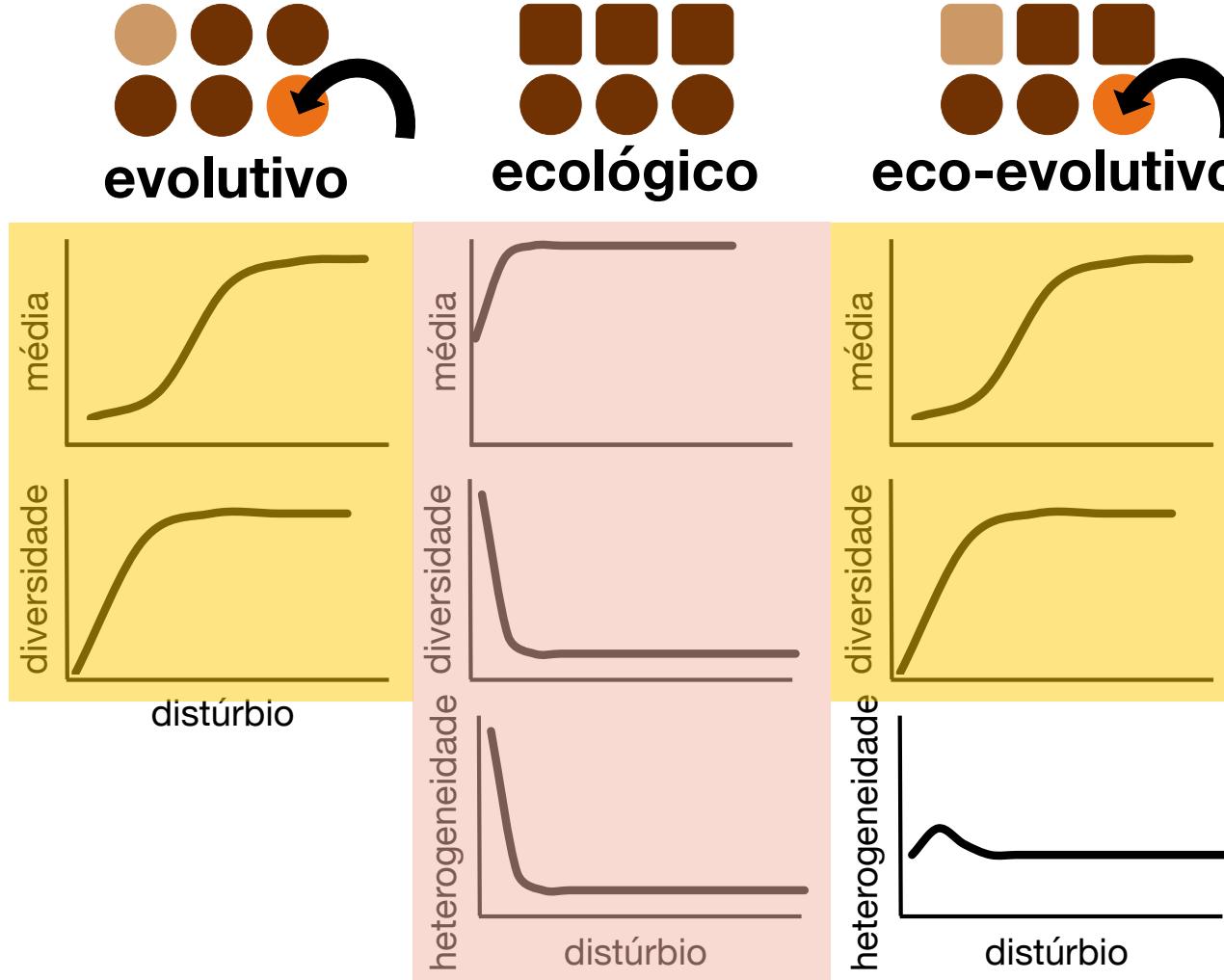
cenários



mutação

- é o único processo de entrada de variação (vs. exclusão competitiva e seleção e vs. deriva)

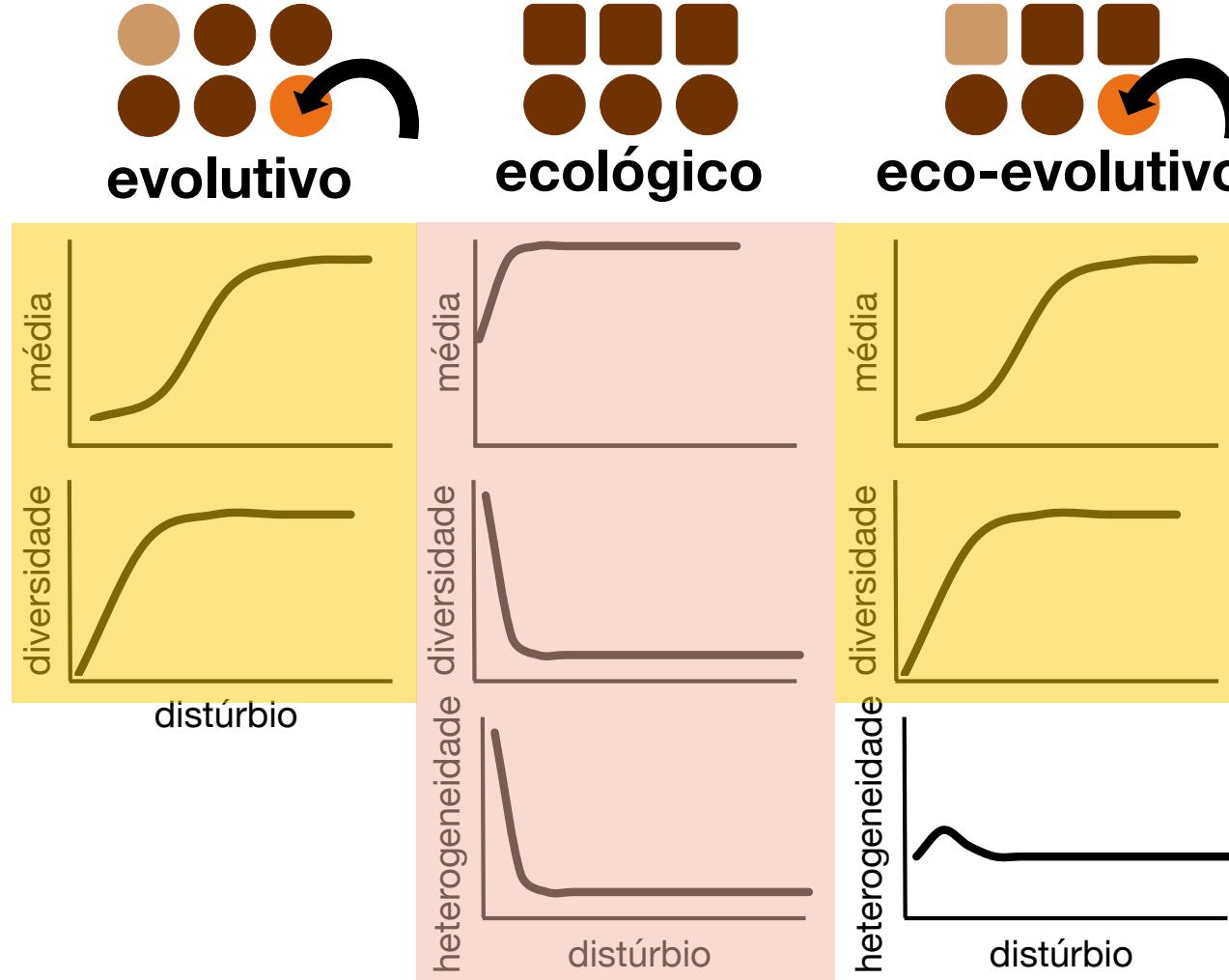
cenários



mutação

- é o único processo de entrada de variação (vs. exclusão competitiva e seleção e vs. deriva)
- cria novas estratégias e pode resgatar estratégias extintas ou quase extintas

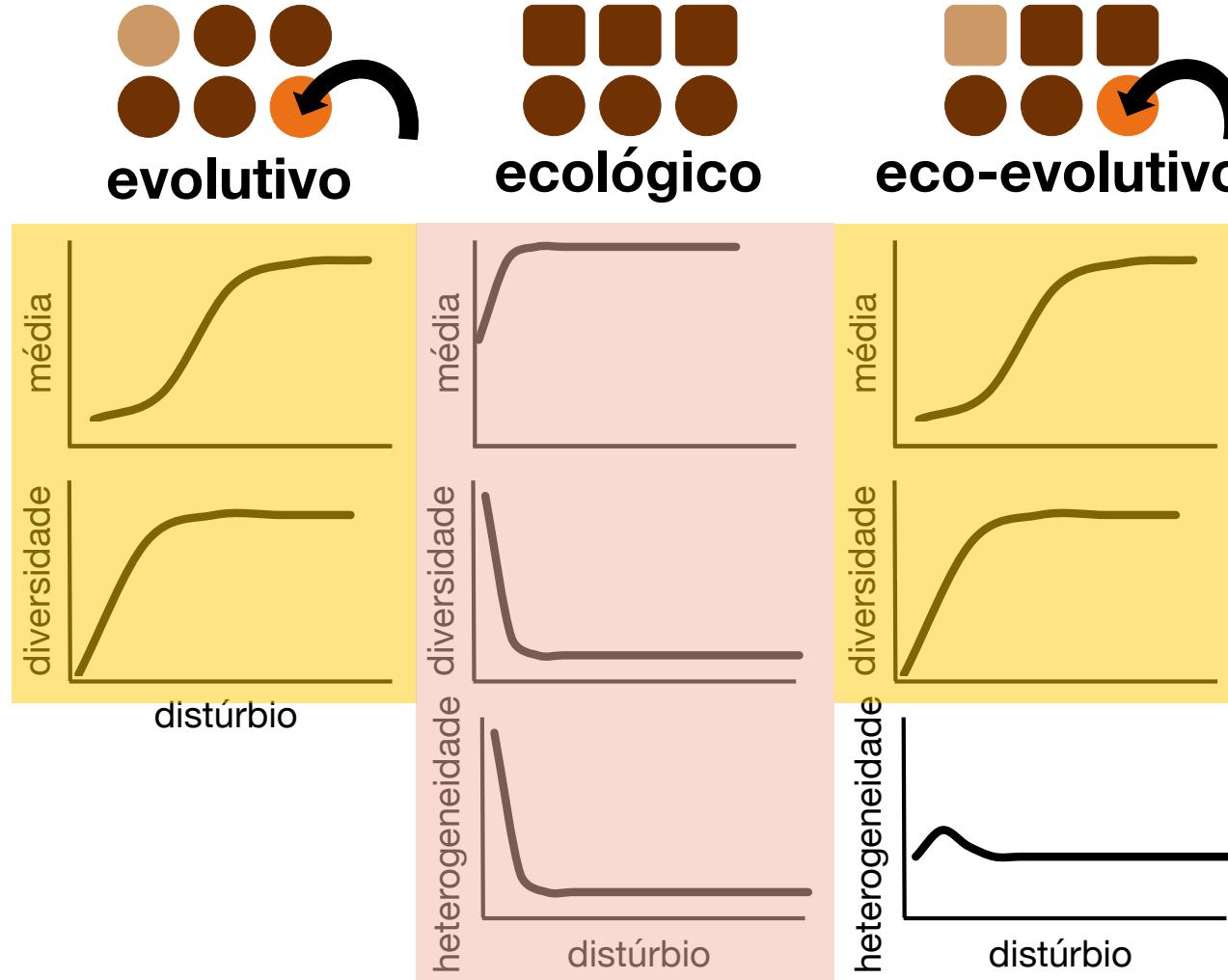
cenários



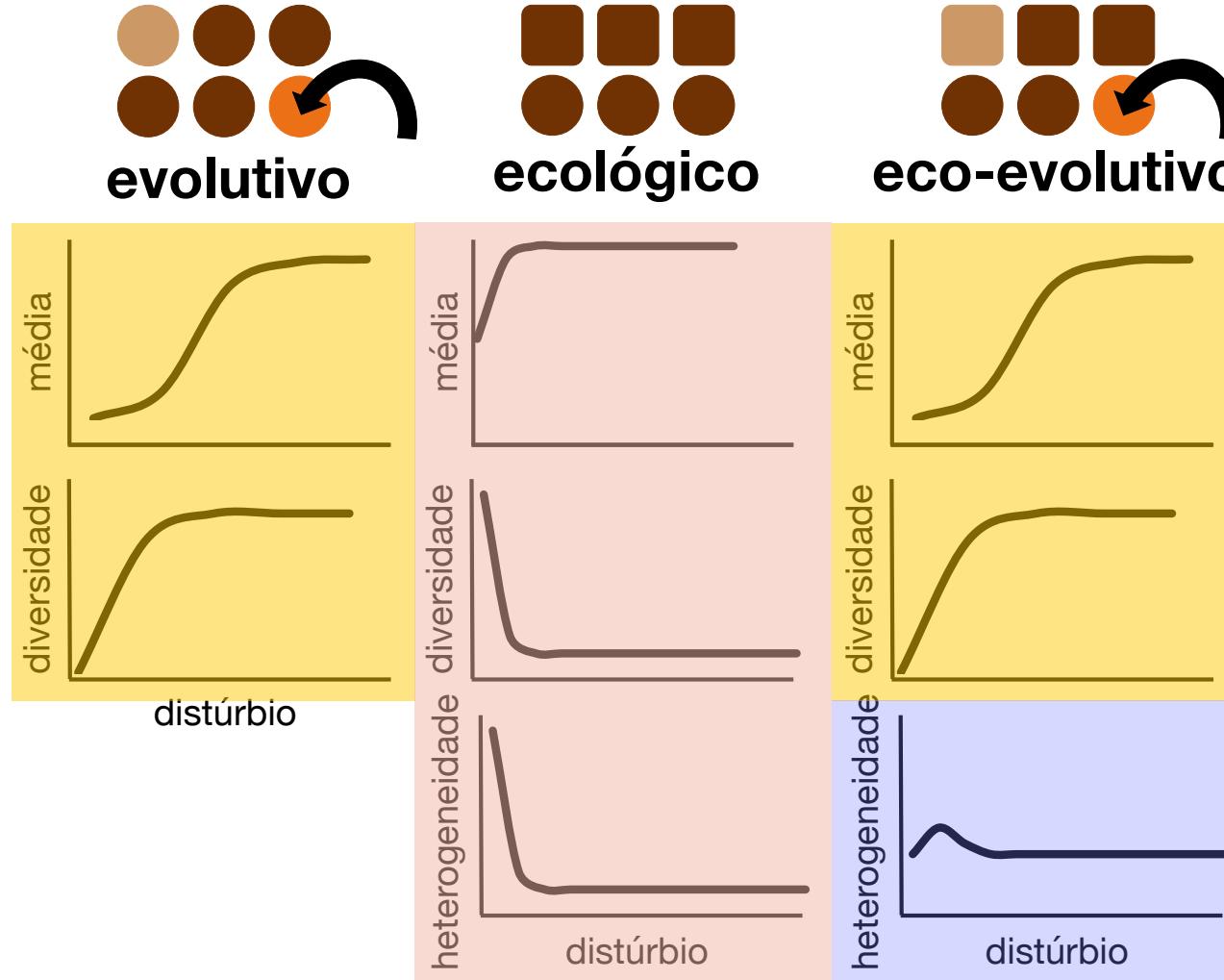
mutação

- é o único processo de entrada de variação (vs. exclusão competitiva e seleção e vs. deriva)
- cria novas estratégias e pode resgatar estratégias extintas ou quase extintas
- permite resposta contínua às pressões variadas ao longo do tempo

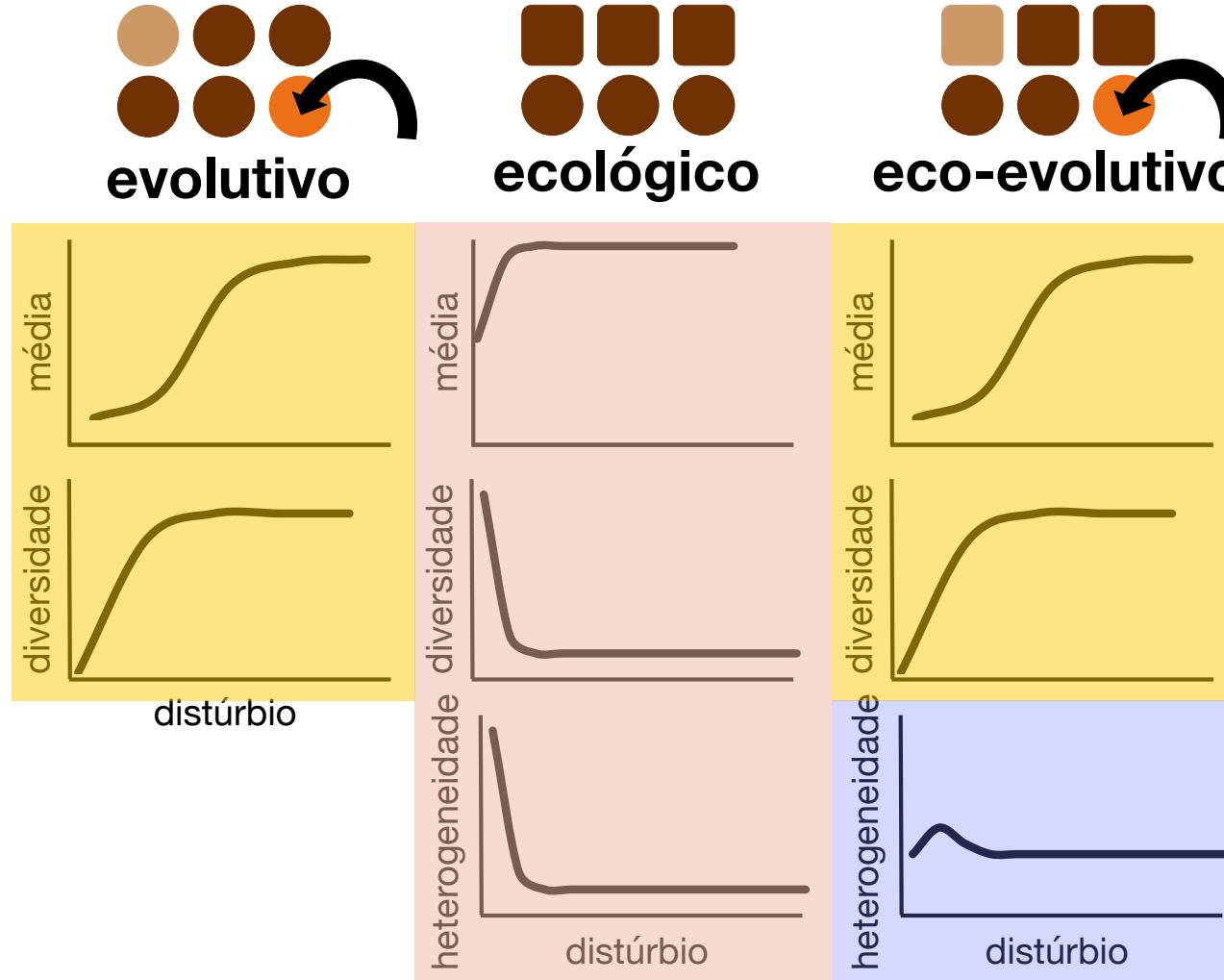
cenários



cenários

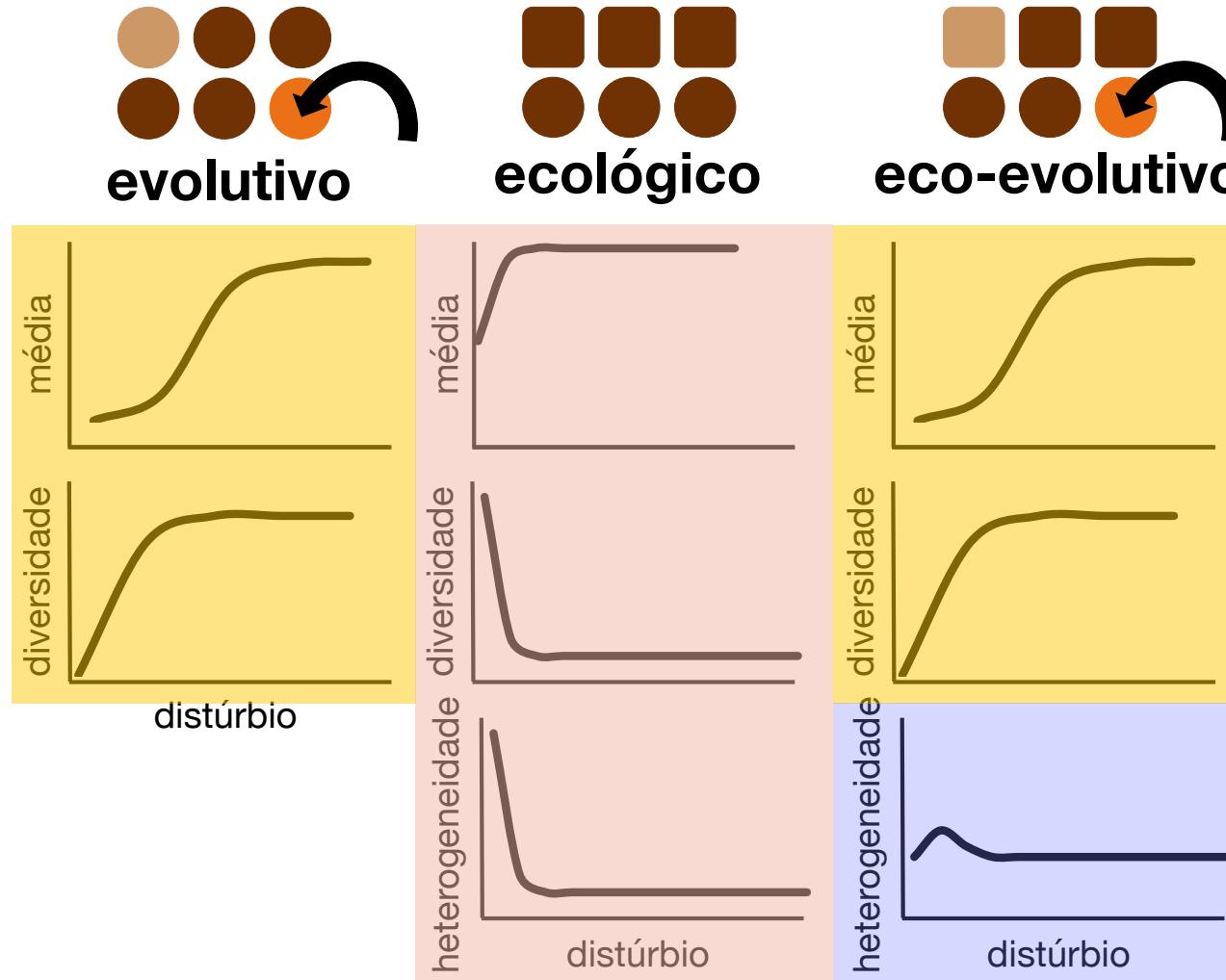


cenários



interação eco-evo

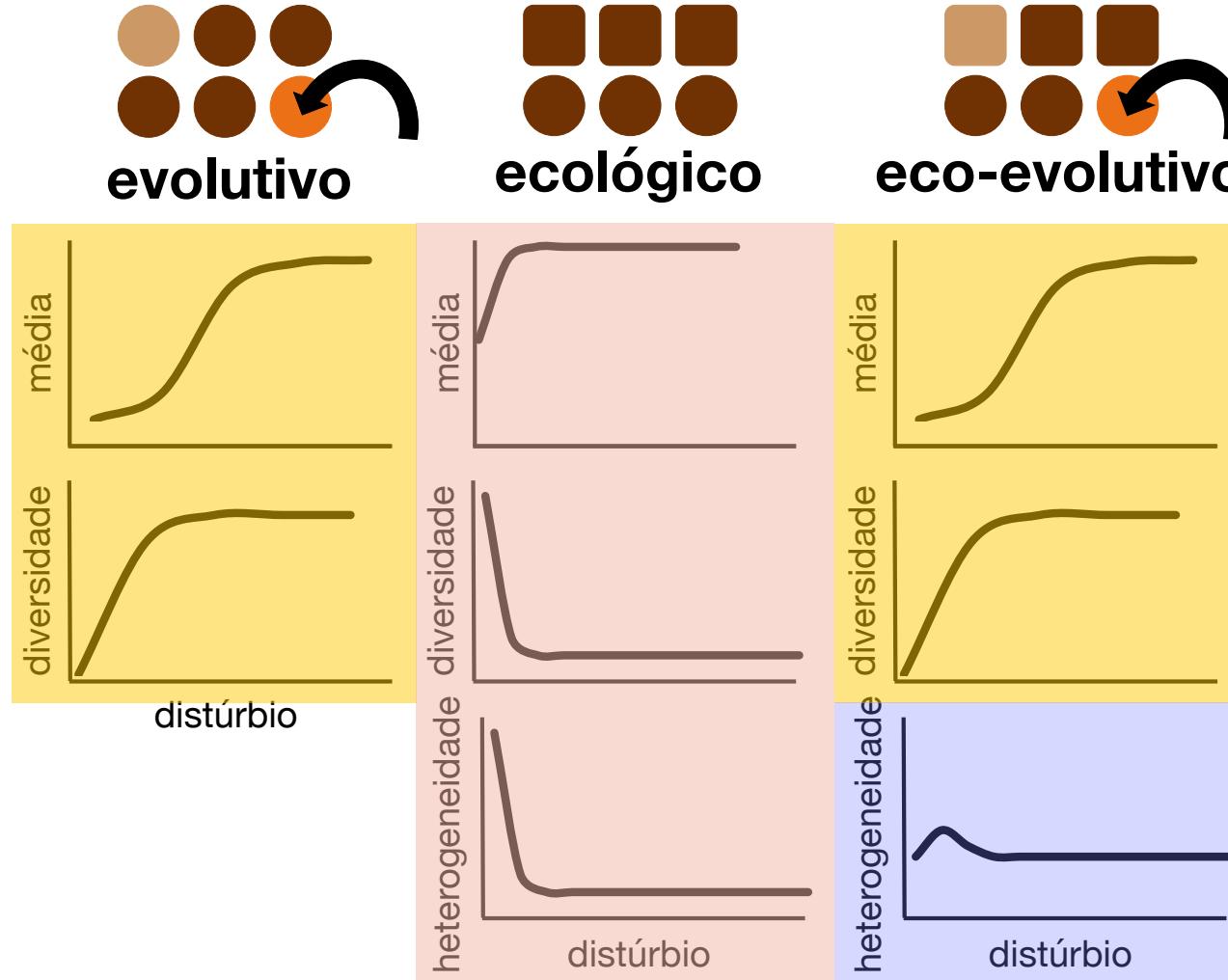
cenários



interação eco-evo

- entrada de variação por mutação
- competição entre linhagens isoladas (espécies diferentes)

cenários



interação eco-evo

- entrada de variação por mutação
- competição entre linhagens isoladas (espécies diferentes)
- coexistência de estratégias distintas mediadas por distúrbio

Ecologia

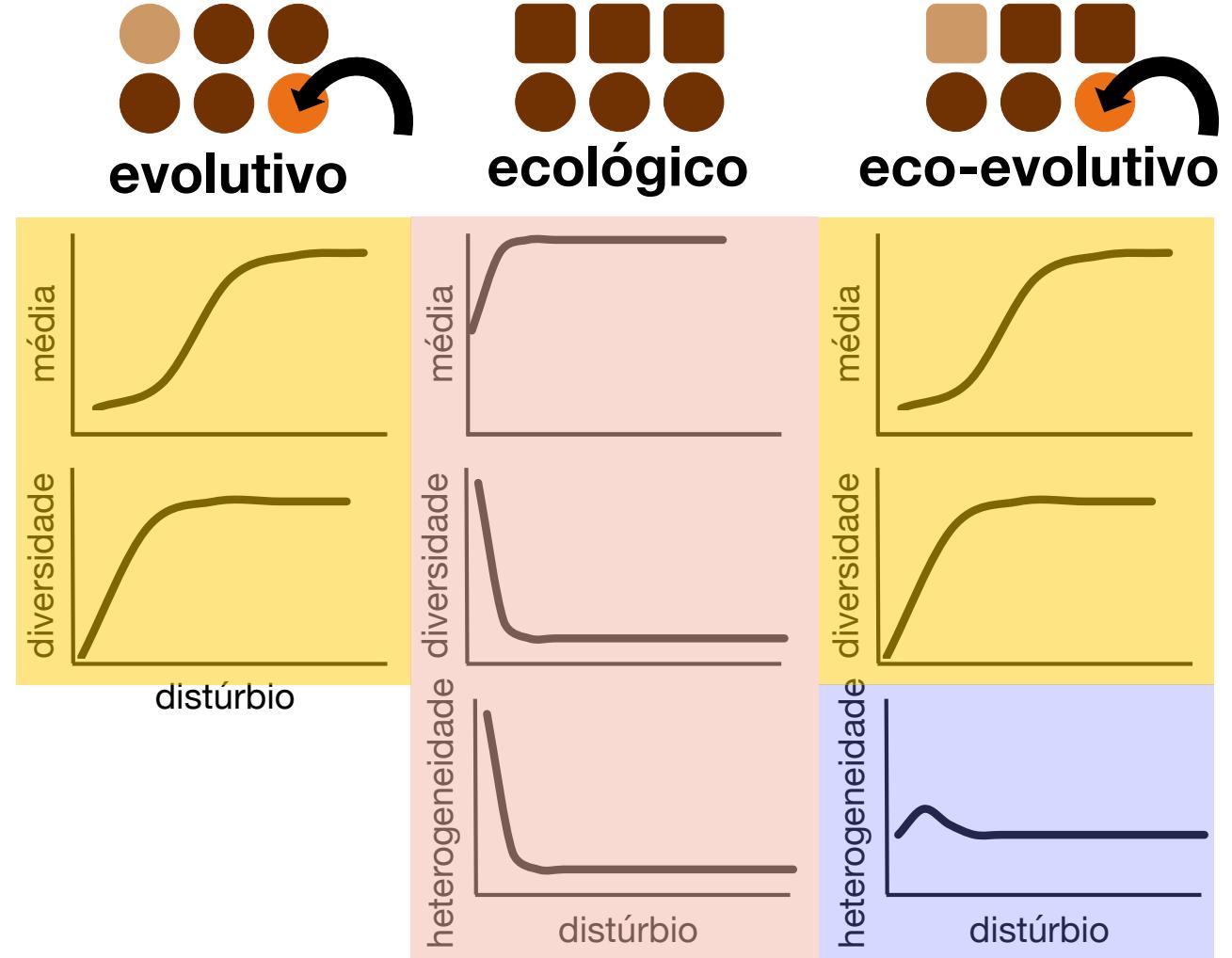
- desconsidera adaptação
- possíveis consequências:
 - gerar previsões erradas quanto à diversidade
 - relacionar padrões a processos equivocados

ainda assim...

Ecologia

- desconsidera adaptação
- possíveis consequências:
 - gerar previsões erradas quanto à diversidade
 - relacionar padrões a processos equivocados

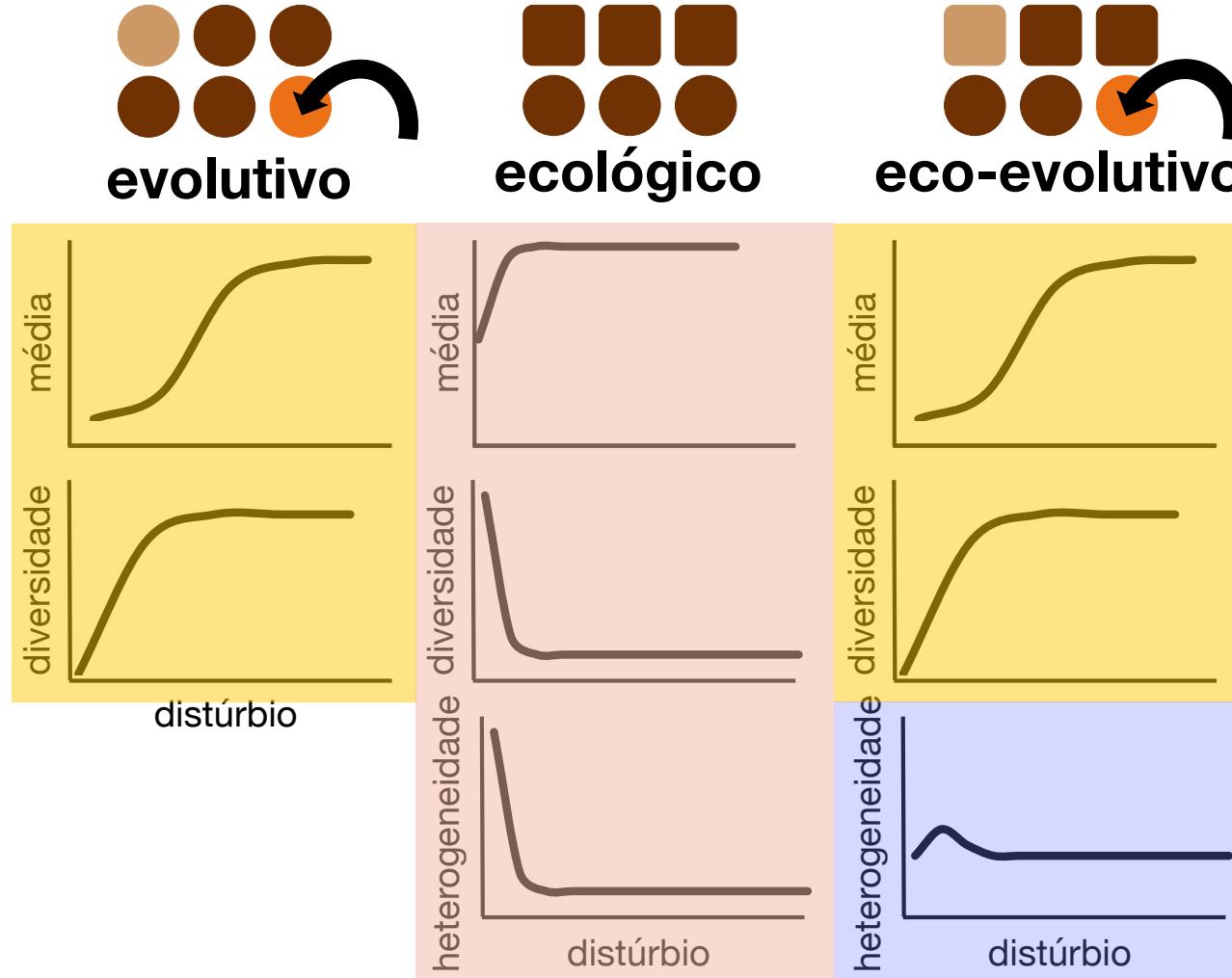
cenários



Biologia Evolutiva

- desconsidera contexto multiespecífico
- possíveis consequências:
 - não acessar padrões que emergem em escalas maiores
 - desconsiderar a importância de interações interespecíficas

cenários



Biologia Evolutiva

- desconsidera contexto multiespecífico
- possíveis consequências:
 - não acessar padrões que emergem em escalas maiores
 - desconsiderar a importância de interações interespecíficas

conclusões

-
-
-

conclusões

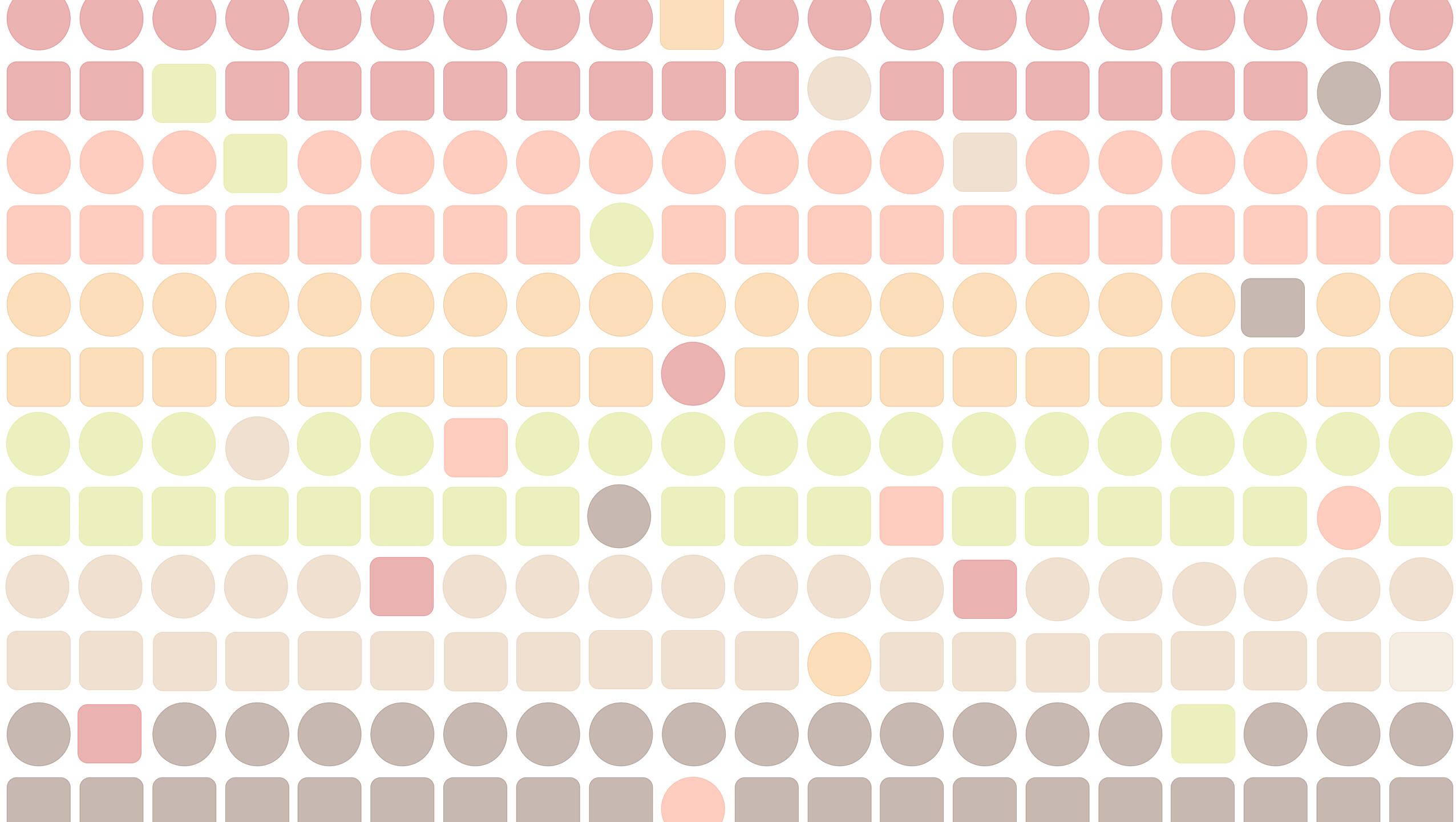
- efeito do **distúrbio** é diferente comparando dinâmicas **ecológicas** e **evolutivas**
-
-

conclusões

- efeito do **distúrbio** é diferente comparando dinâmicas **ecológicas** e **evolutivas**
- há padrões que emergem apenas em dinâmicas **eco-evolutivas**
-

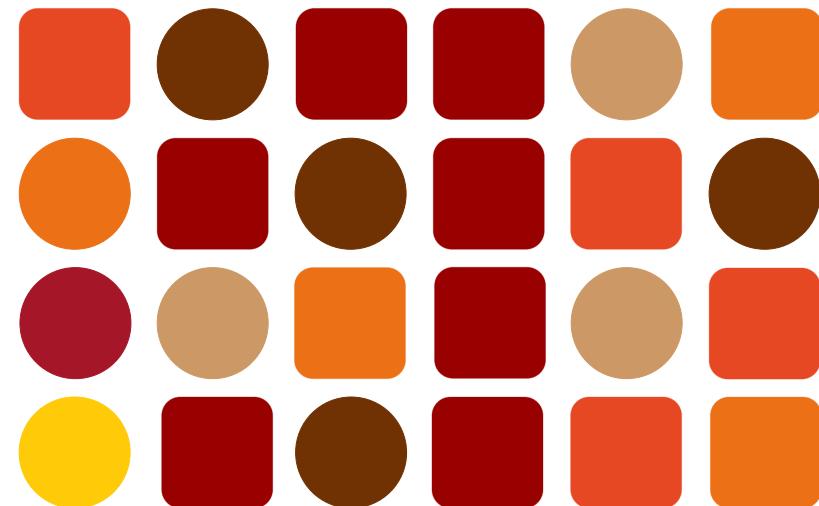
conclusões

- efeito do **distúrbio** é diferente comparando dinâmicas **ecológicas** e **evolutivas**
- há padrões que emergem apenas em dinâmicas **eco-evolutivas**
- o **distúrbio** deve ser estudado em dinâmicas **eco-evolutivas**



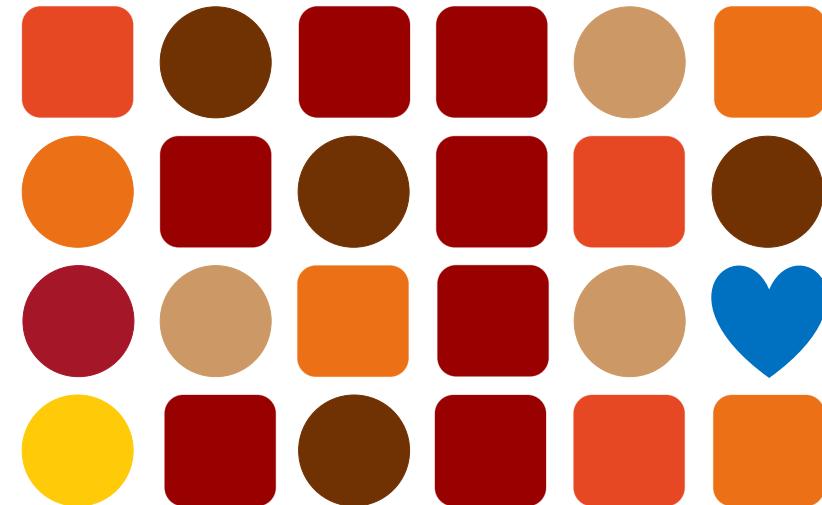
agradecimentos ❤️❤️❤️

obrigada!



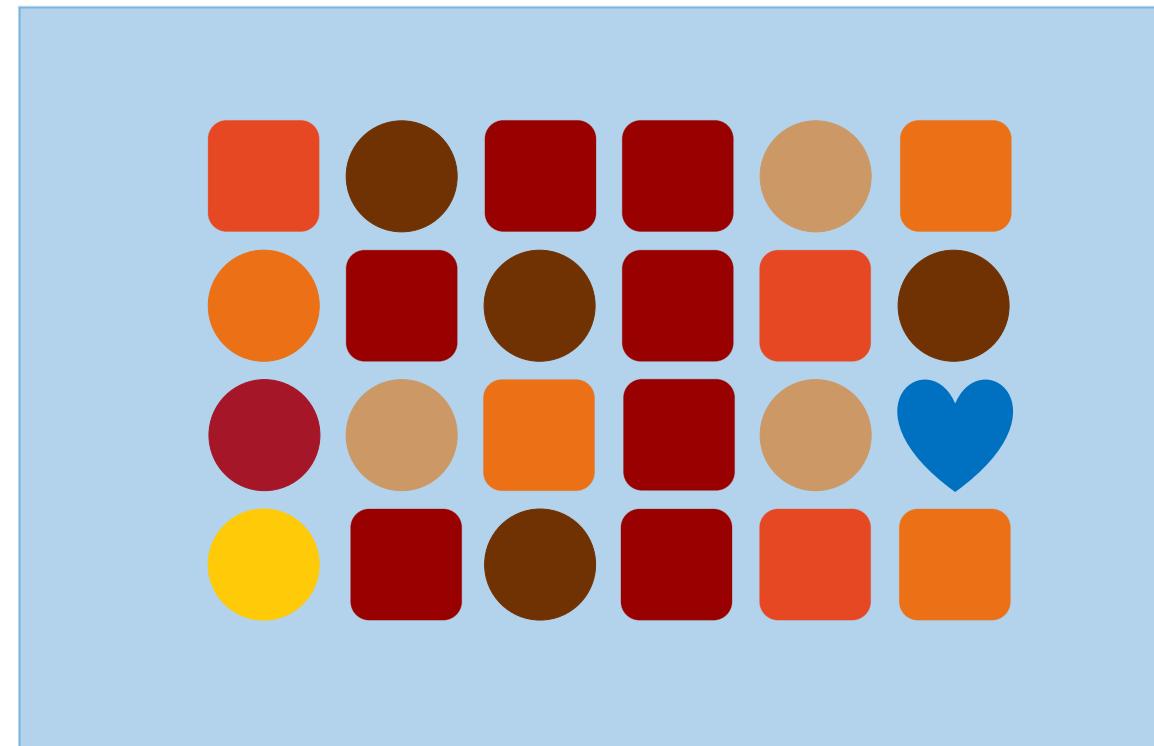
agradecimentos ❤️❤️❤️

obrigada!



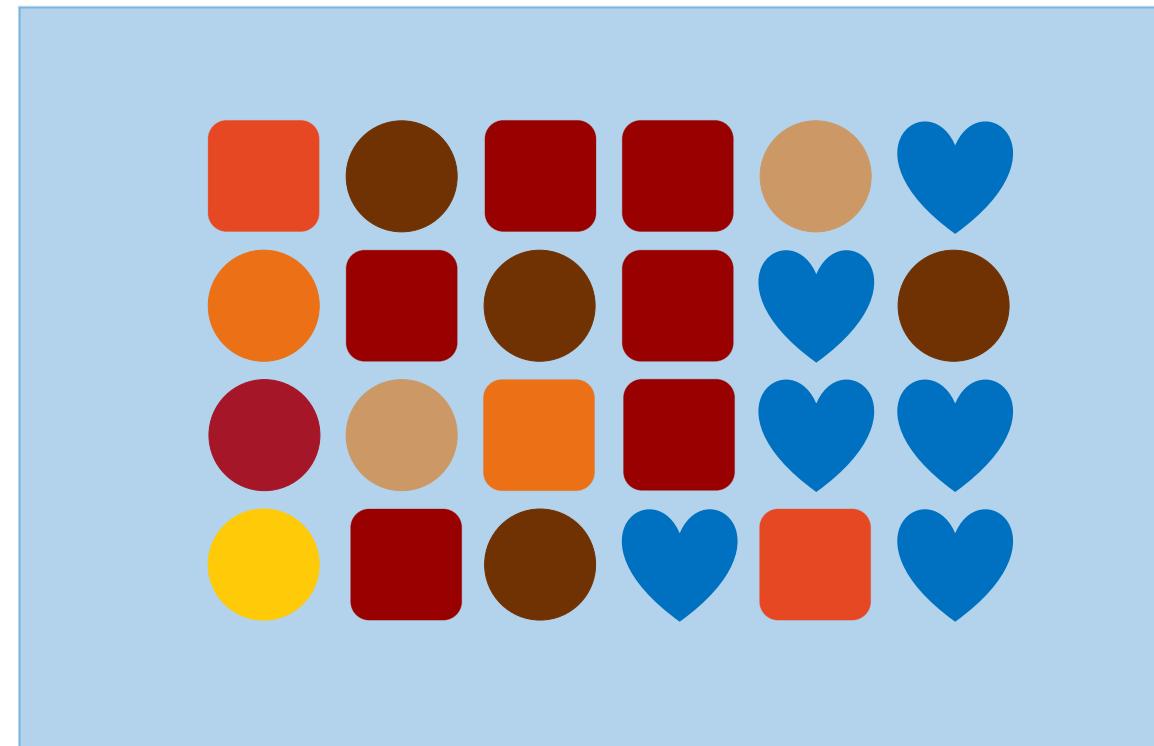
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obrigada!



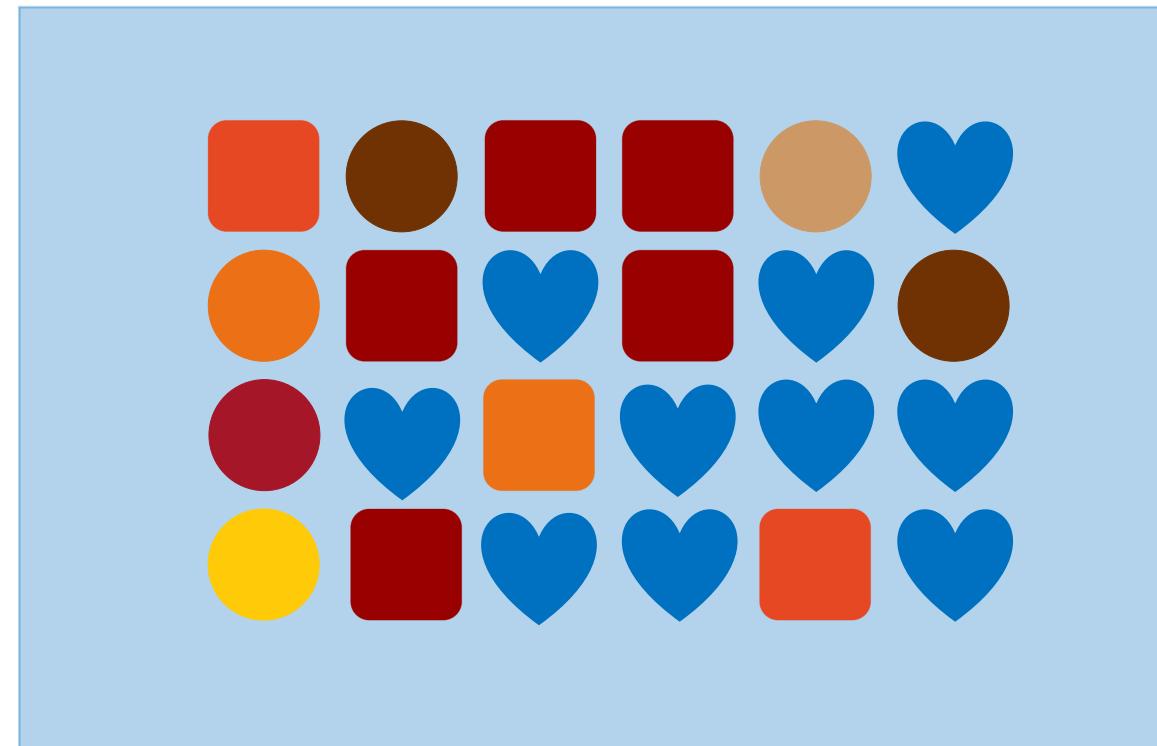
agradecimentos ❤️❤️❤️

obrigada!



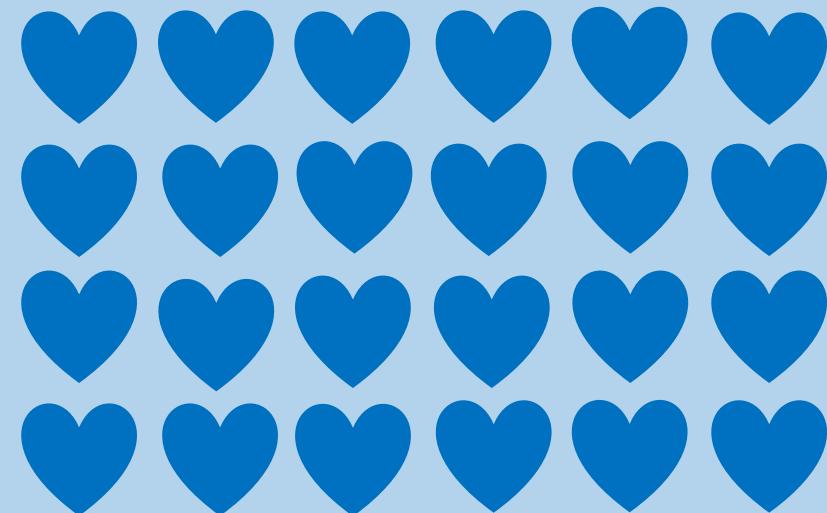
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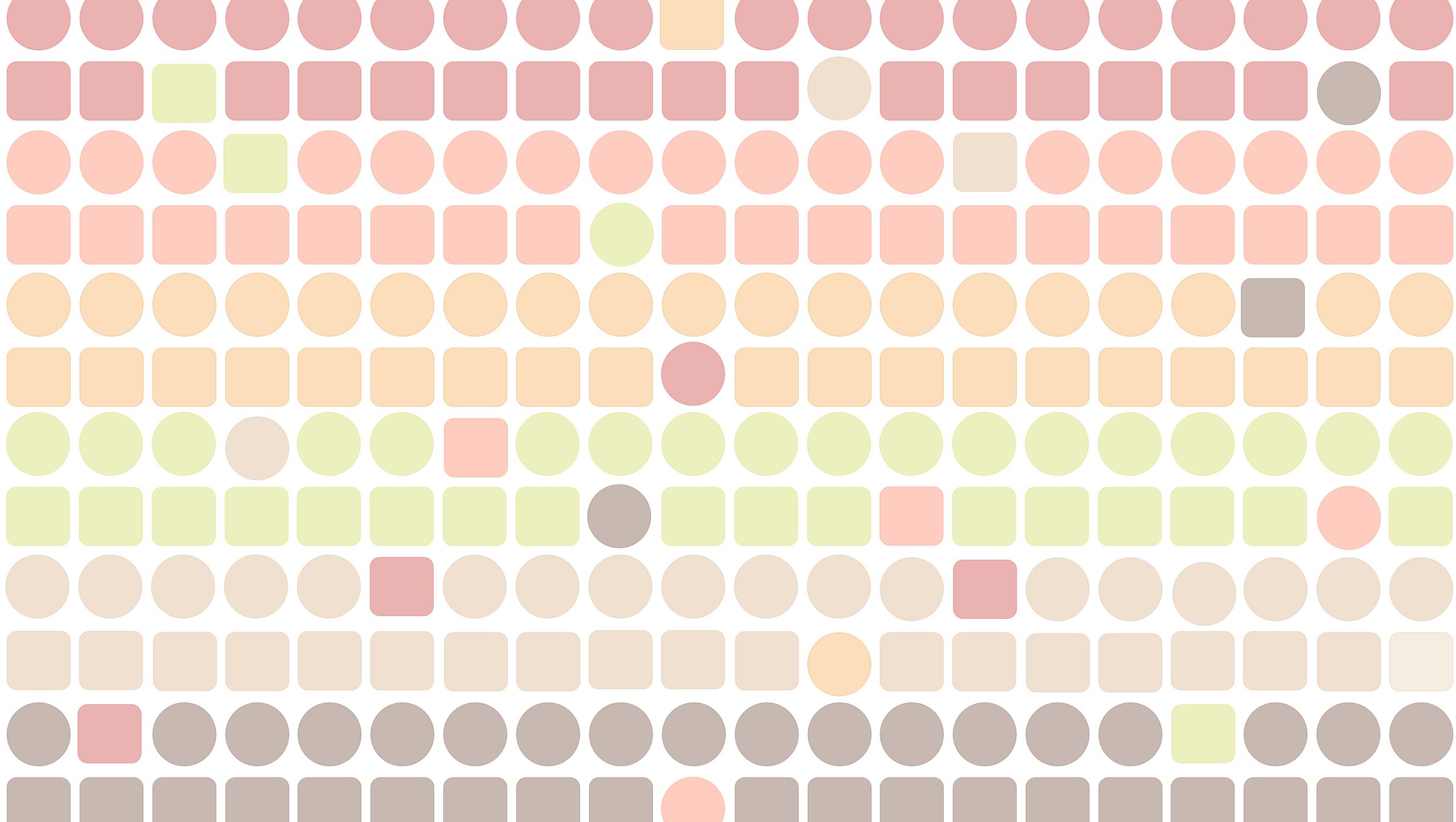
obrigada!



agradecimentos ❤️❤️❤️

obrigada!

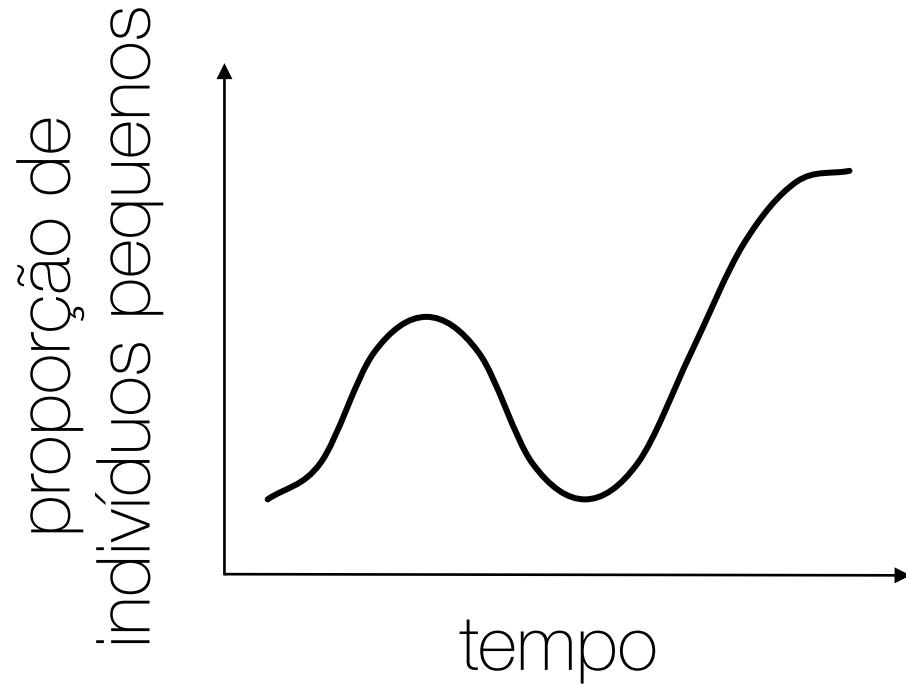




atributo

dinâmica
evolutiva

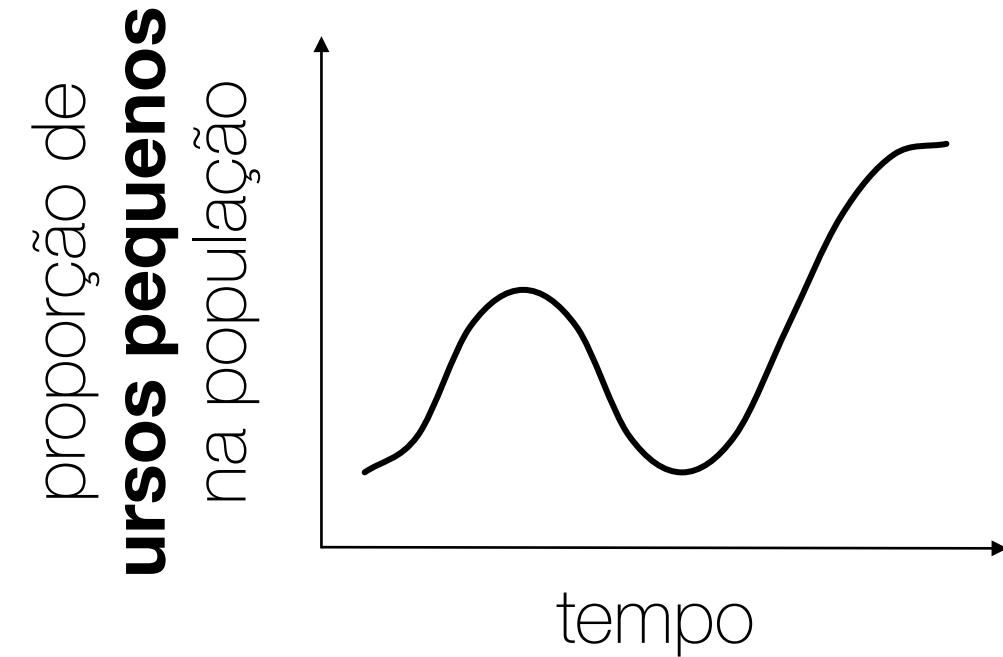
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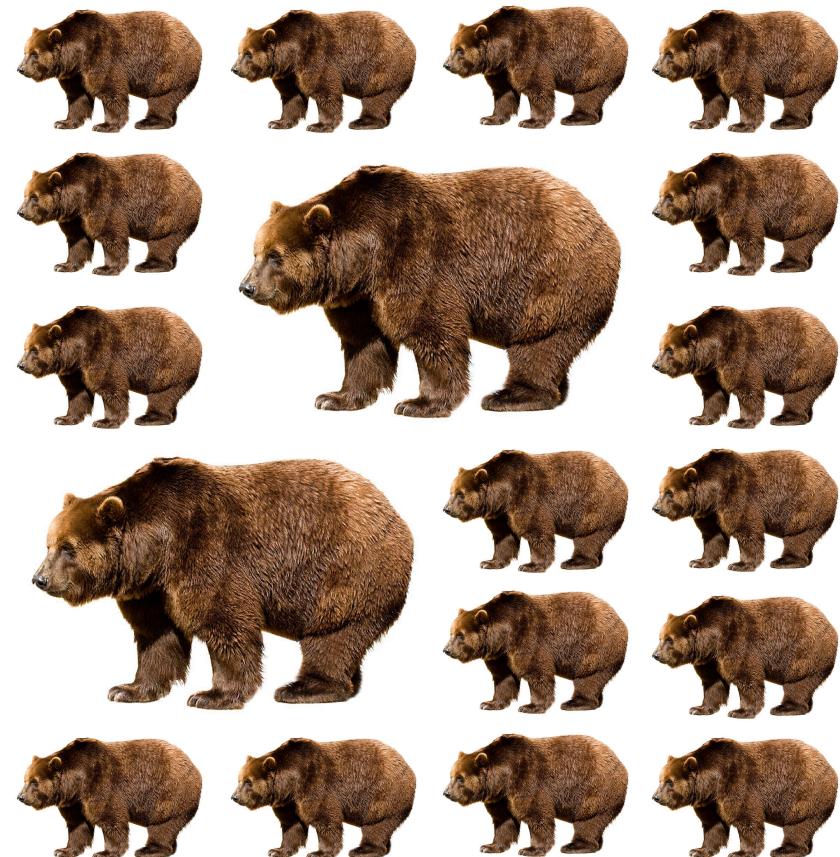
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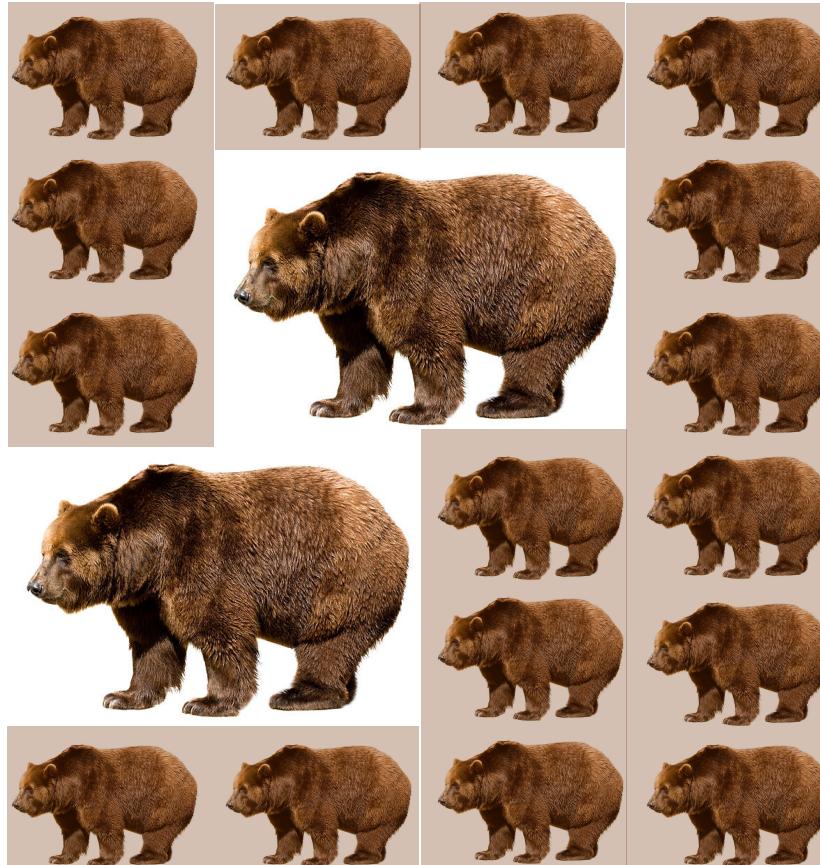
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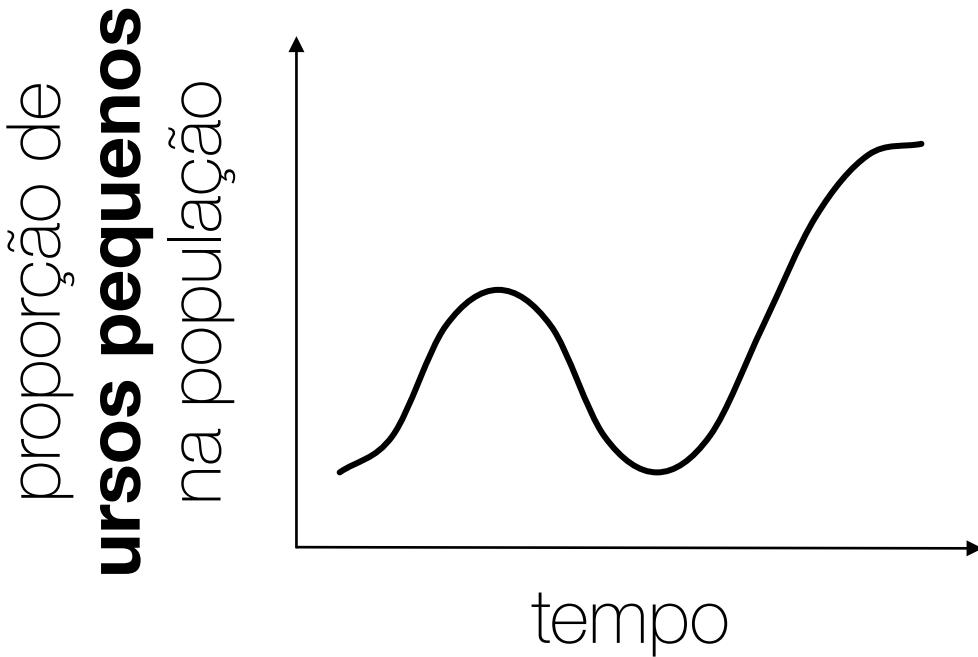
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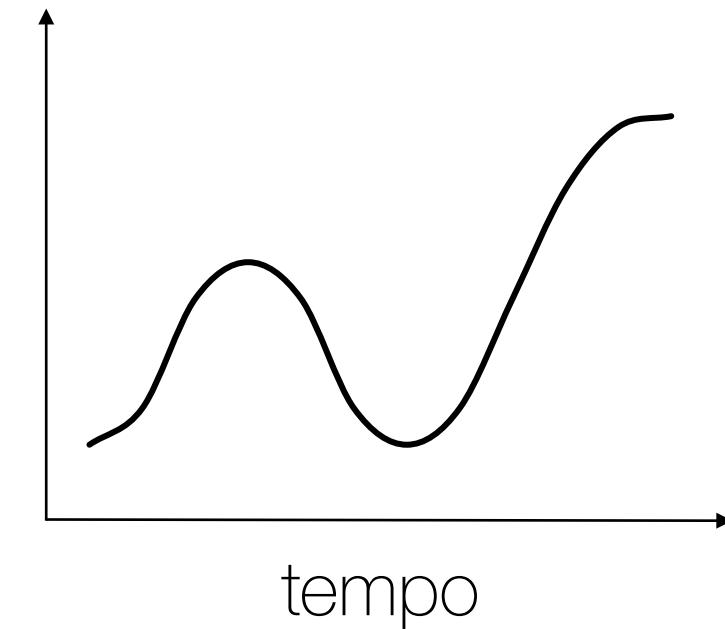


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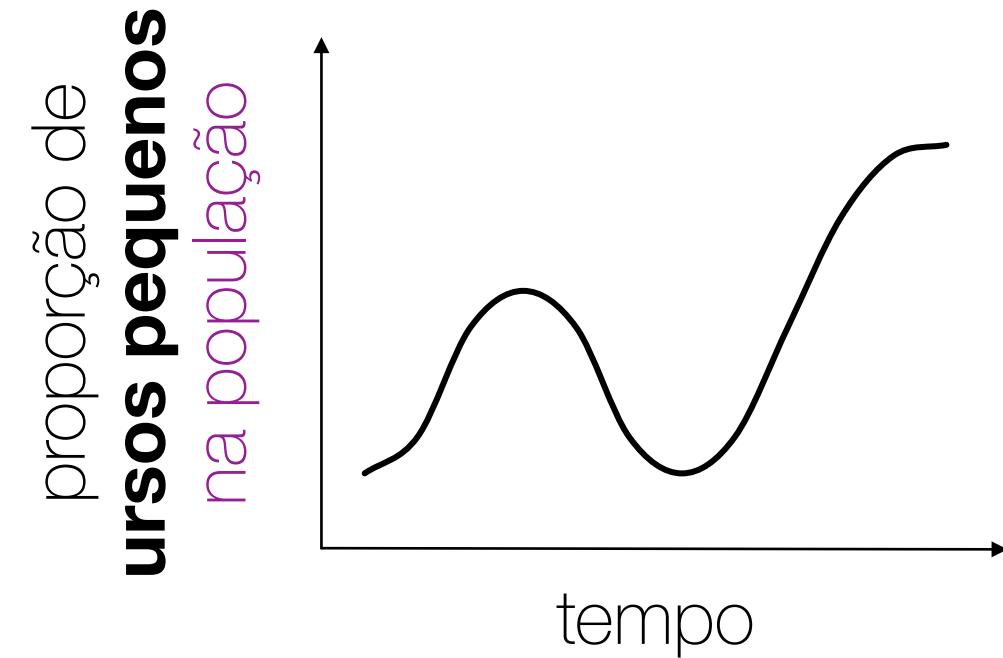
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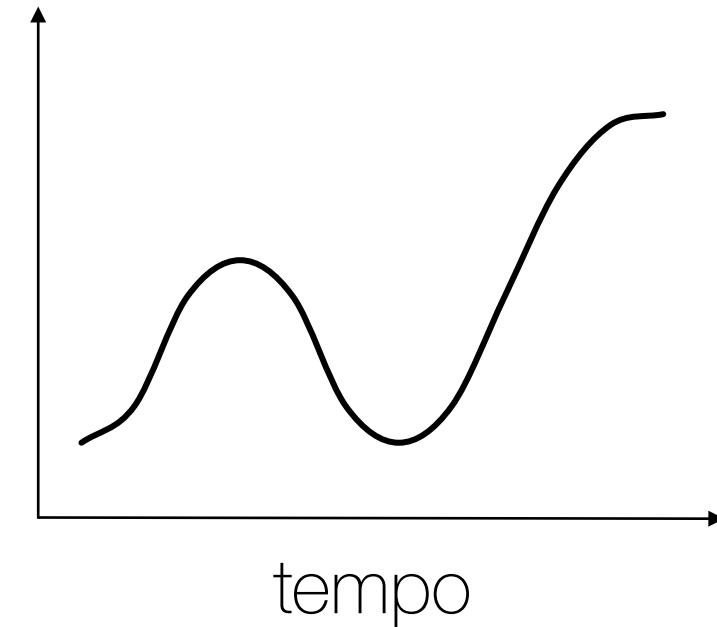
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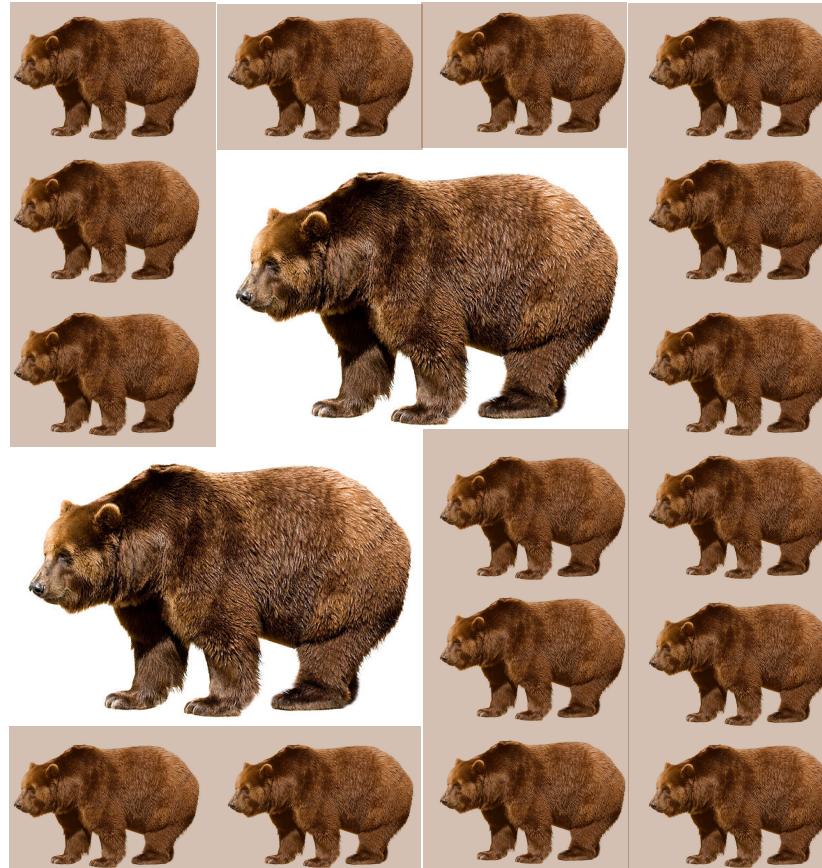


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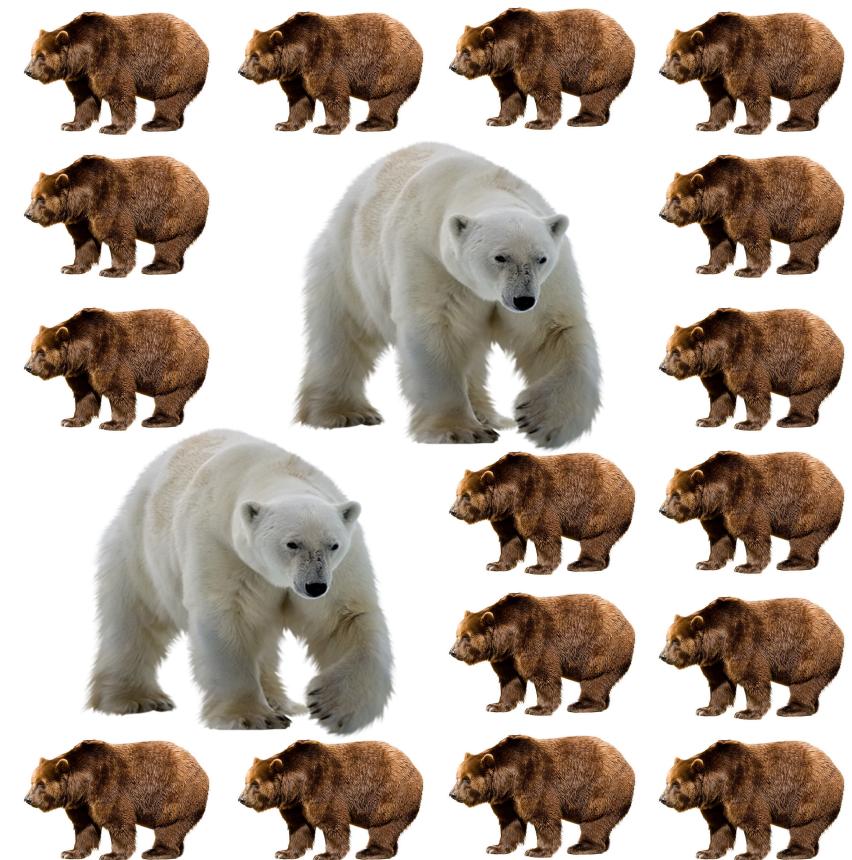


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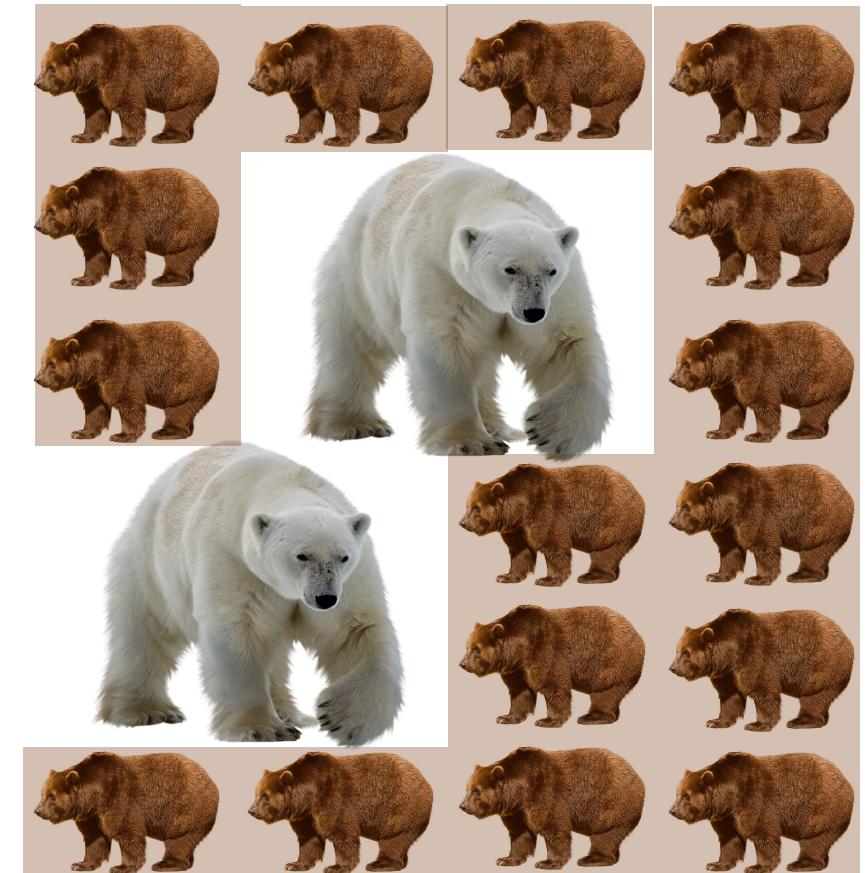
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dinâmica ecológica



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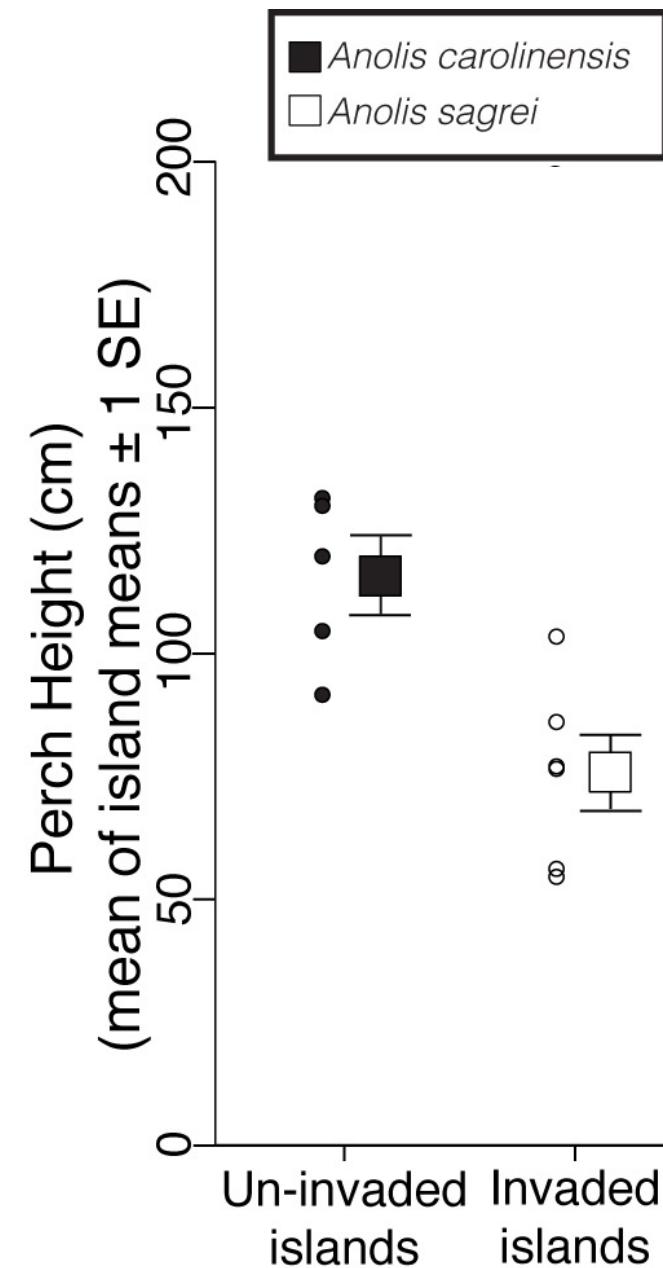
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