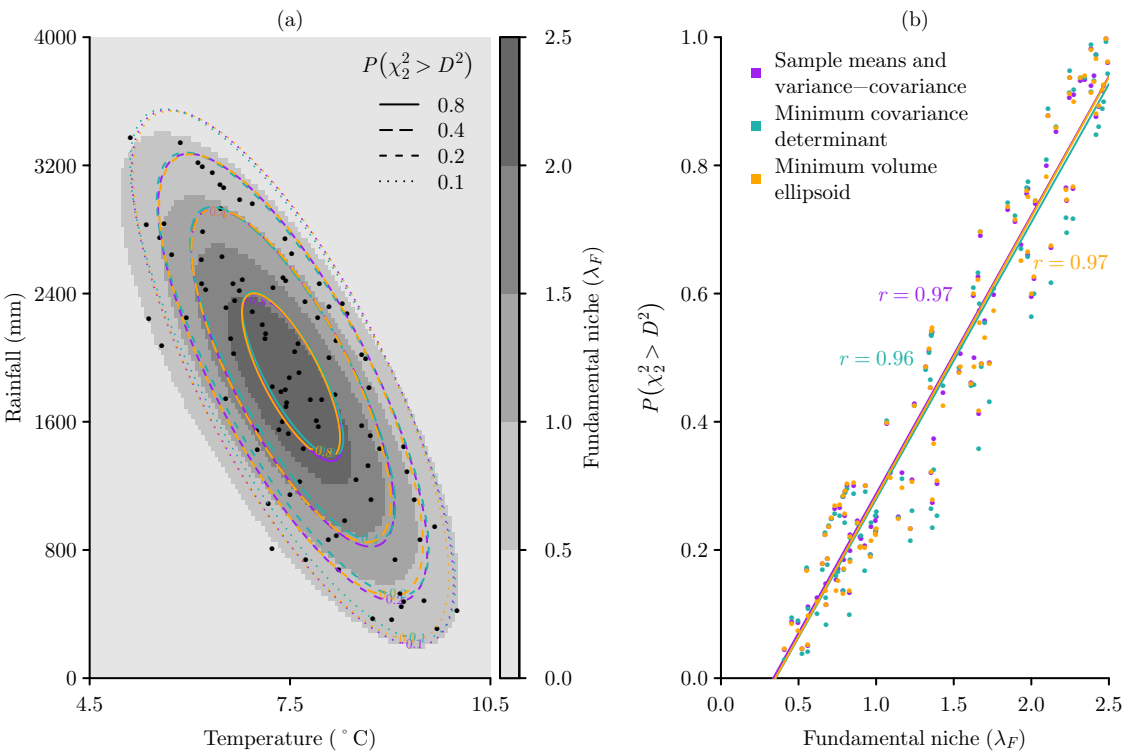
(a)
$P(\chi^2_2 > D^2)$
0.8
0.4
0.2
0.1
Rainfall (mm)
Temperature (°C)
Fundamental niche (λ_F)
4000
3200
2400
1600
800
0
4.5
7.5
10.5
2.5
2.0
1.5
1.0
0.5
0.0
(b)
Sample means and variance–covariance
Minimum covariance determinant
Minimum volume ellipsoid
$r = 0.97$
$r = 0.97$
$r = 0.96$
$P(\chi^2_2 > D^2)$
Fundamental niche (λ_F)
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.5
1.0
1.5
2.0
2.5