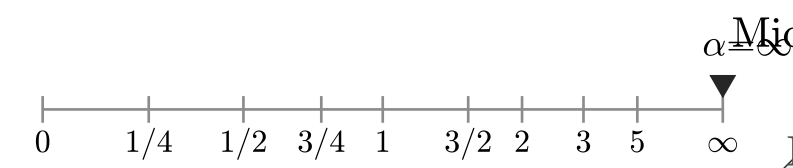


Ω_1 : Baby boy names in 1968, top $10^{1.5}$

Ω_2 : Baby boy names on 2018, top $10^{1.5}$

Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

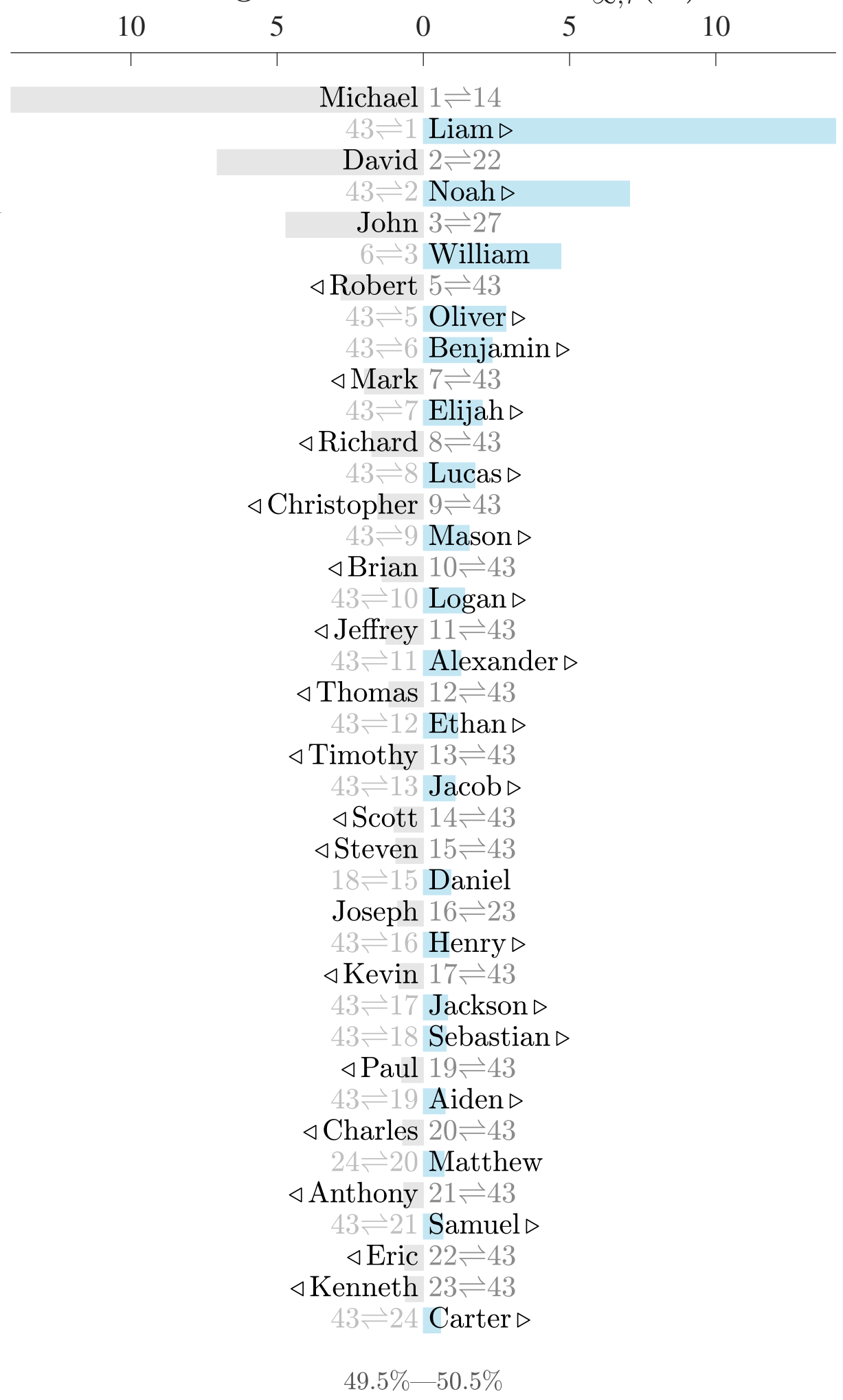
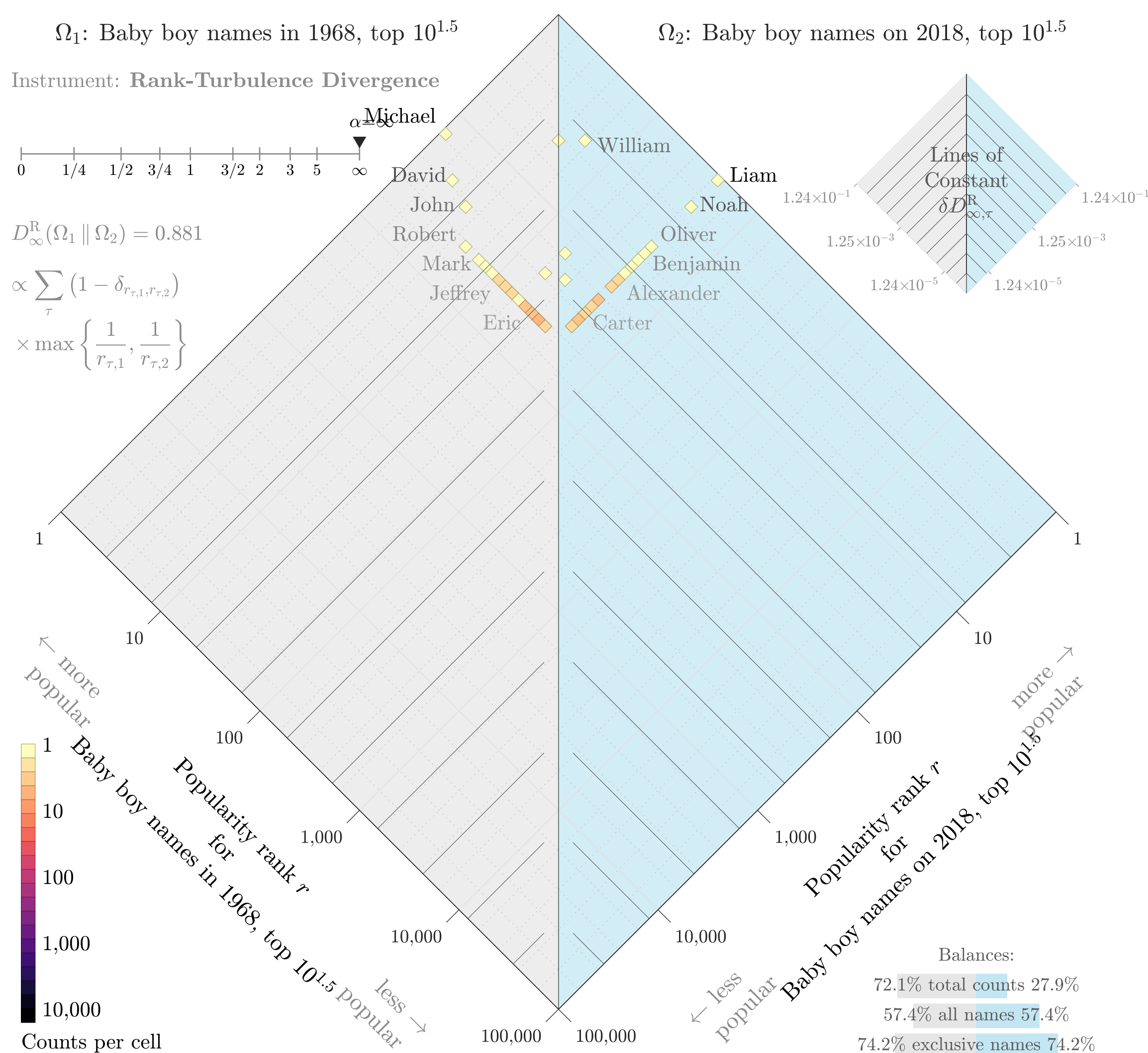
Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.881$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$$

$$\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$



Balances:
 72.1% total counts 27.9%
 57.4% all names 57.4%
 74.2% exclusive names 74.2%

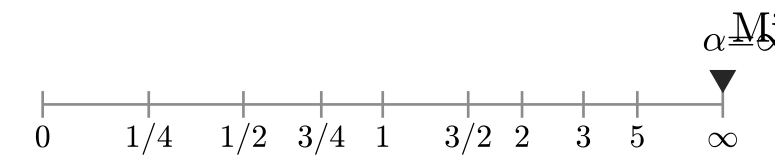
49.5%—50.5%

Ω_1 : Baby boy names in 1968, top $10^{2.0}$

Ω_2 : Baby boy names on 2018, top $10^{2.0}$

Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

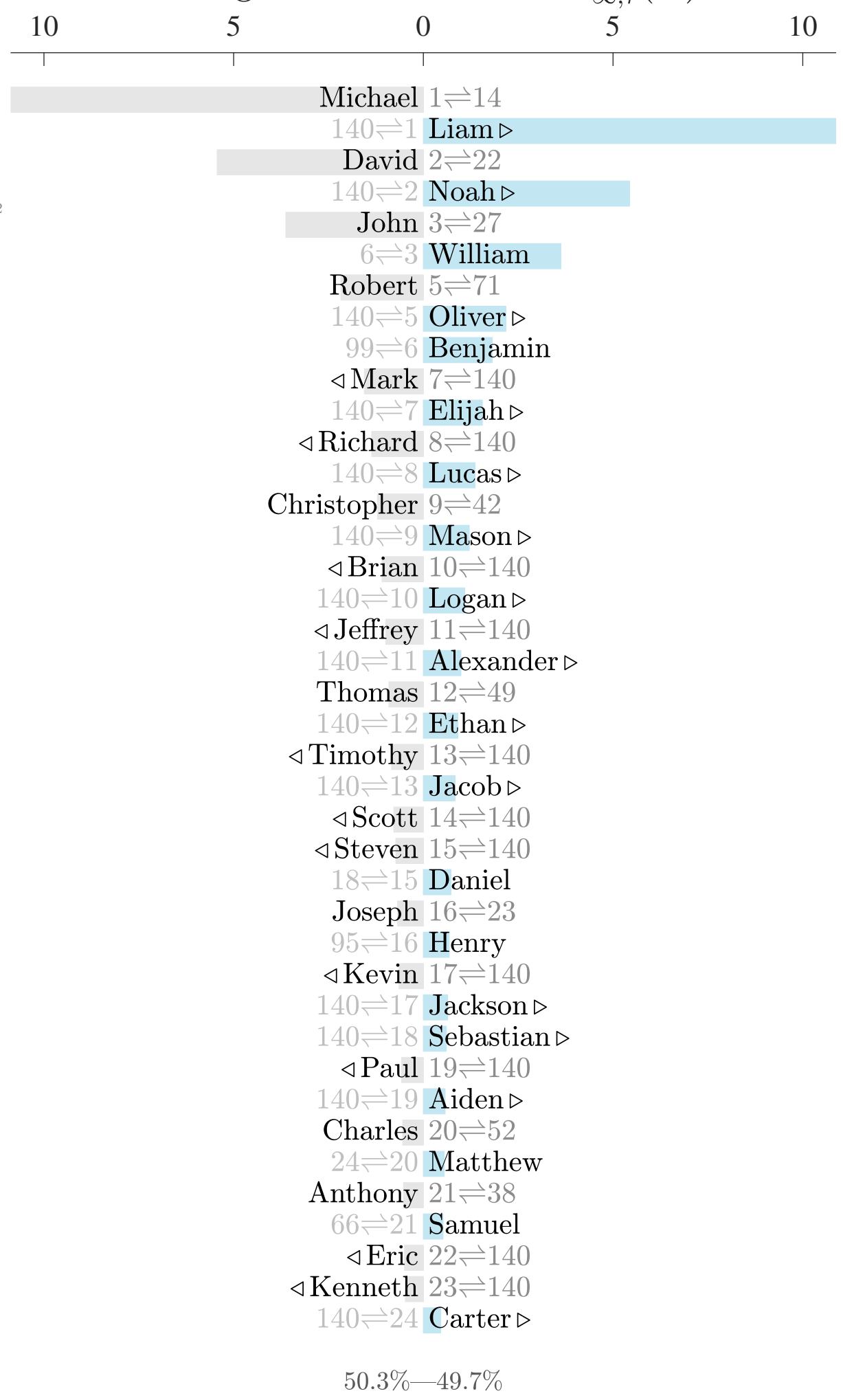
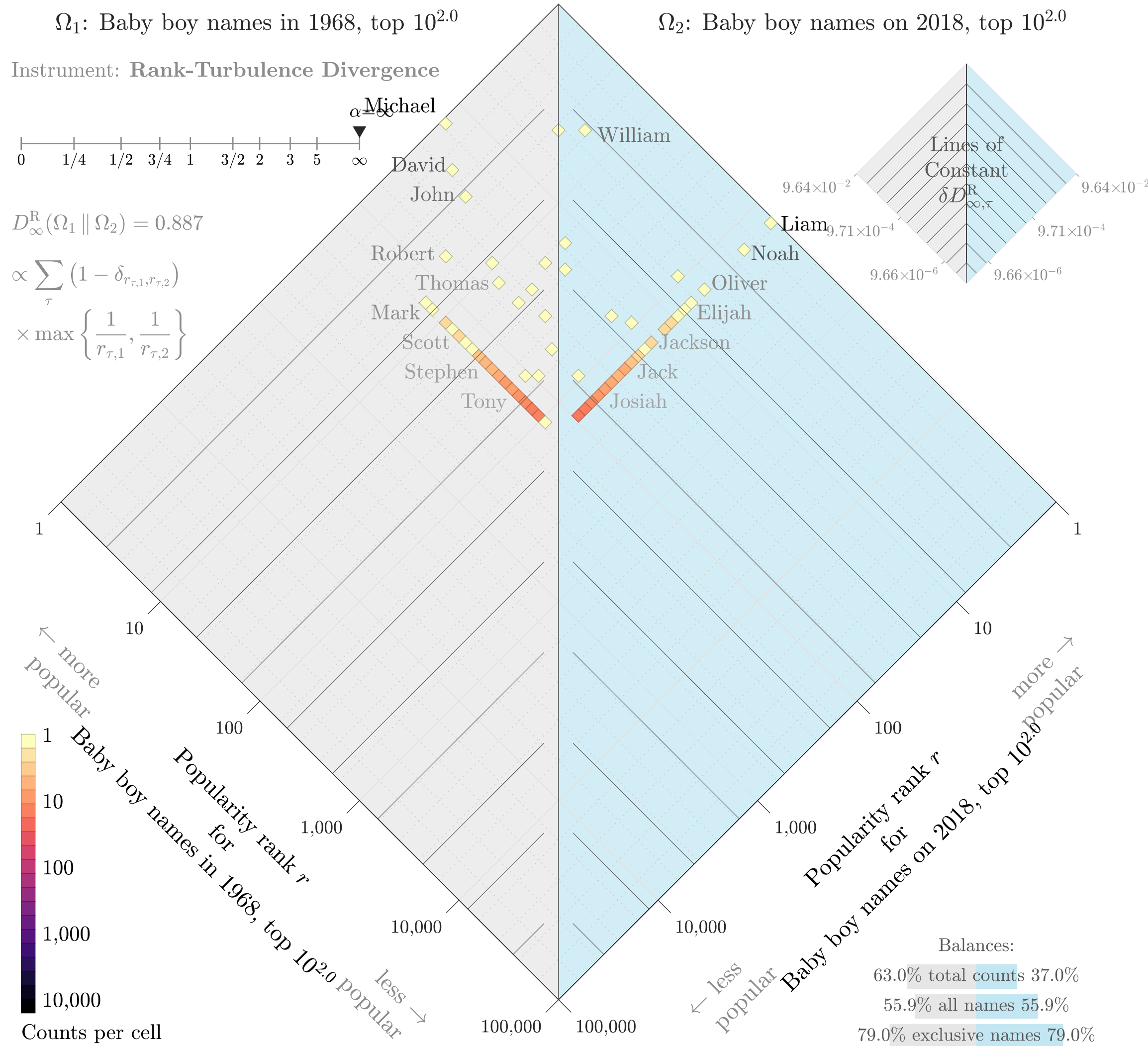
Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.887$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$$

$$\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$



Balances:
 63.0% total counts 37.0%
 55.9% all names 55.9%
 79.0% exclusive names 79.0%

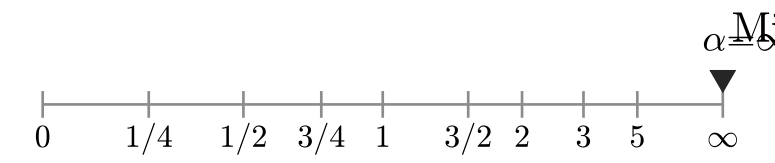
50.3%—49.7%

Ω_1 : Baby boy names in 1968, top $10^{2.5}$

Ω_2 : Baby boy names on 2018, top $10^{2.5}$

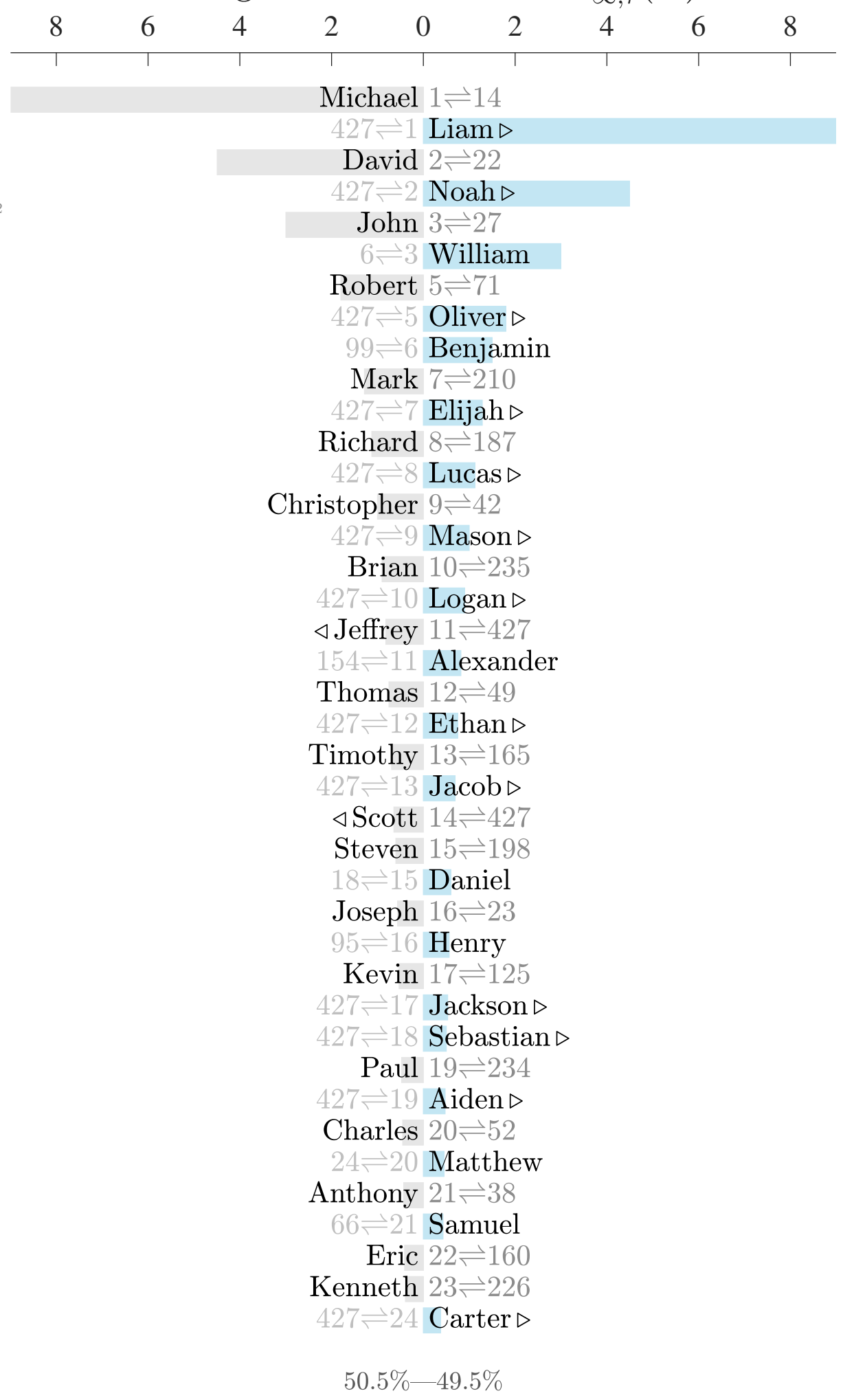
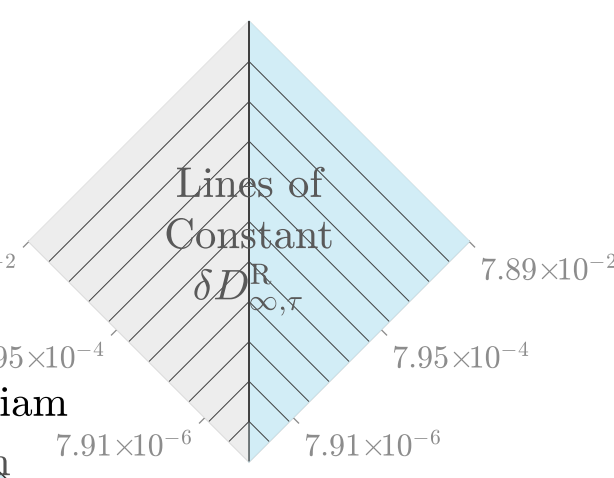
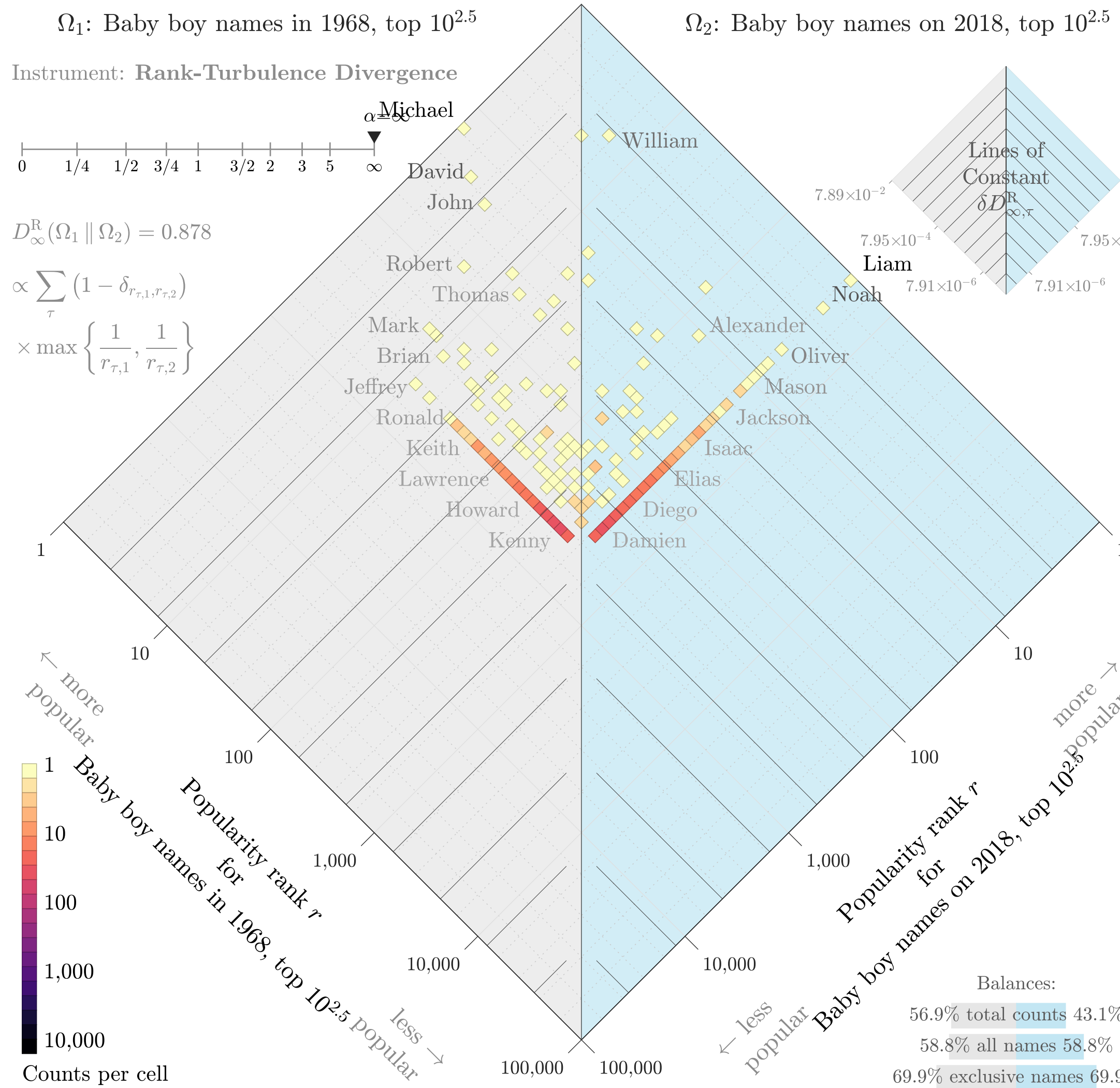
Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

Instrument: Rank-Turbulence Divergence



$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.878$

$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$
 $\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$



Balances:
 56.9% total counts 43.1%
 58.8% all names 58.8%
 69.9% exclusive names 69.9%

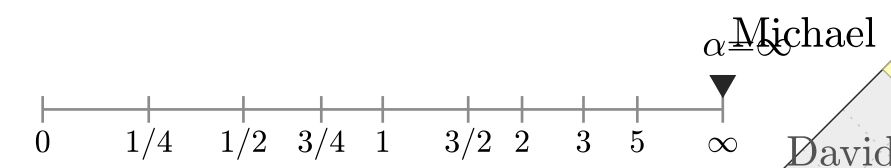
50.5%—49.5%

Ω_1 : Baby boy names in 1968, top $10^{3.0}$

Ω_2 : Baby boy names on 2018, top $10^{3.0}$

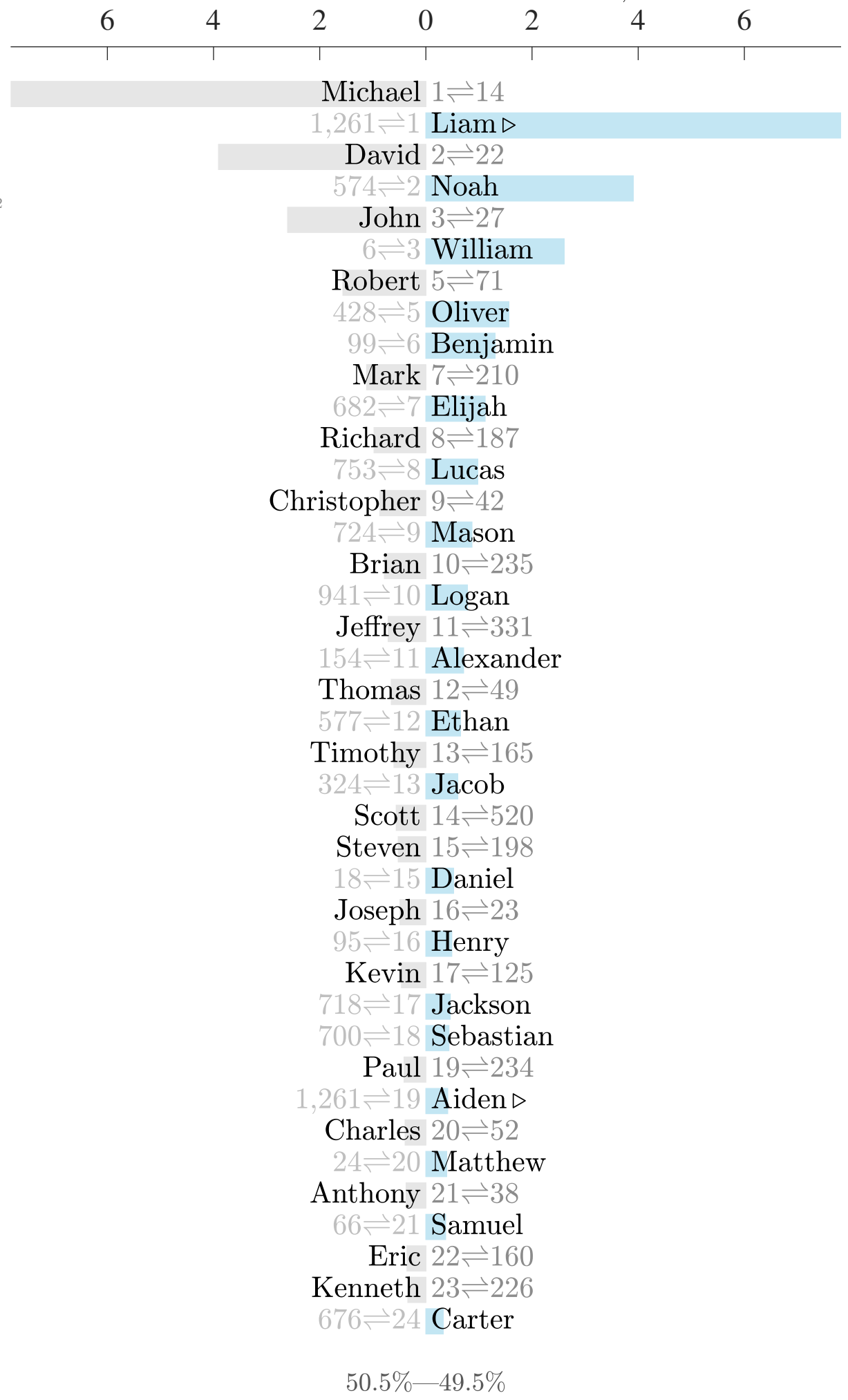
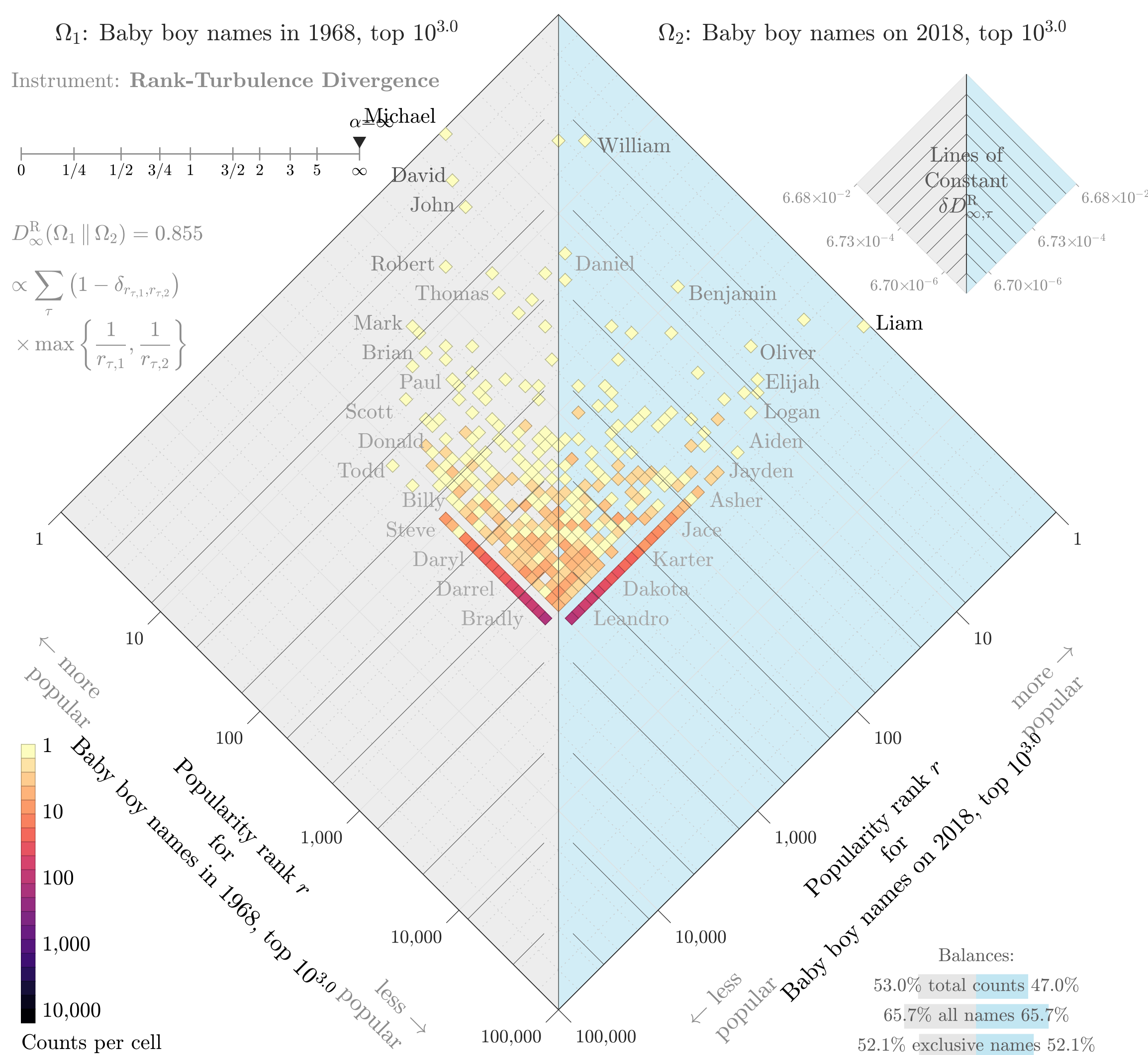
Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.855$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}}) \times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$

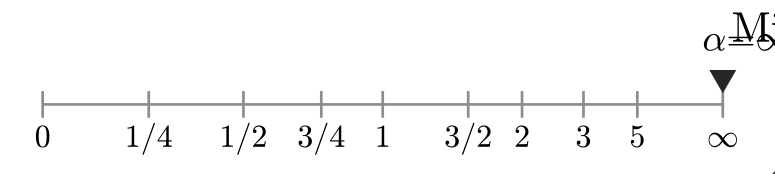


Ω_1 : Baby boy names in 1968, top $10^{3.5}$

Ω_2 : Baby boy names on 2018, top $10^{3.5}$

Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

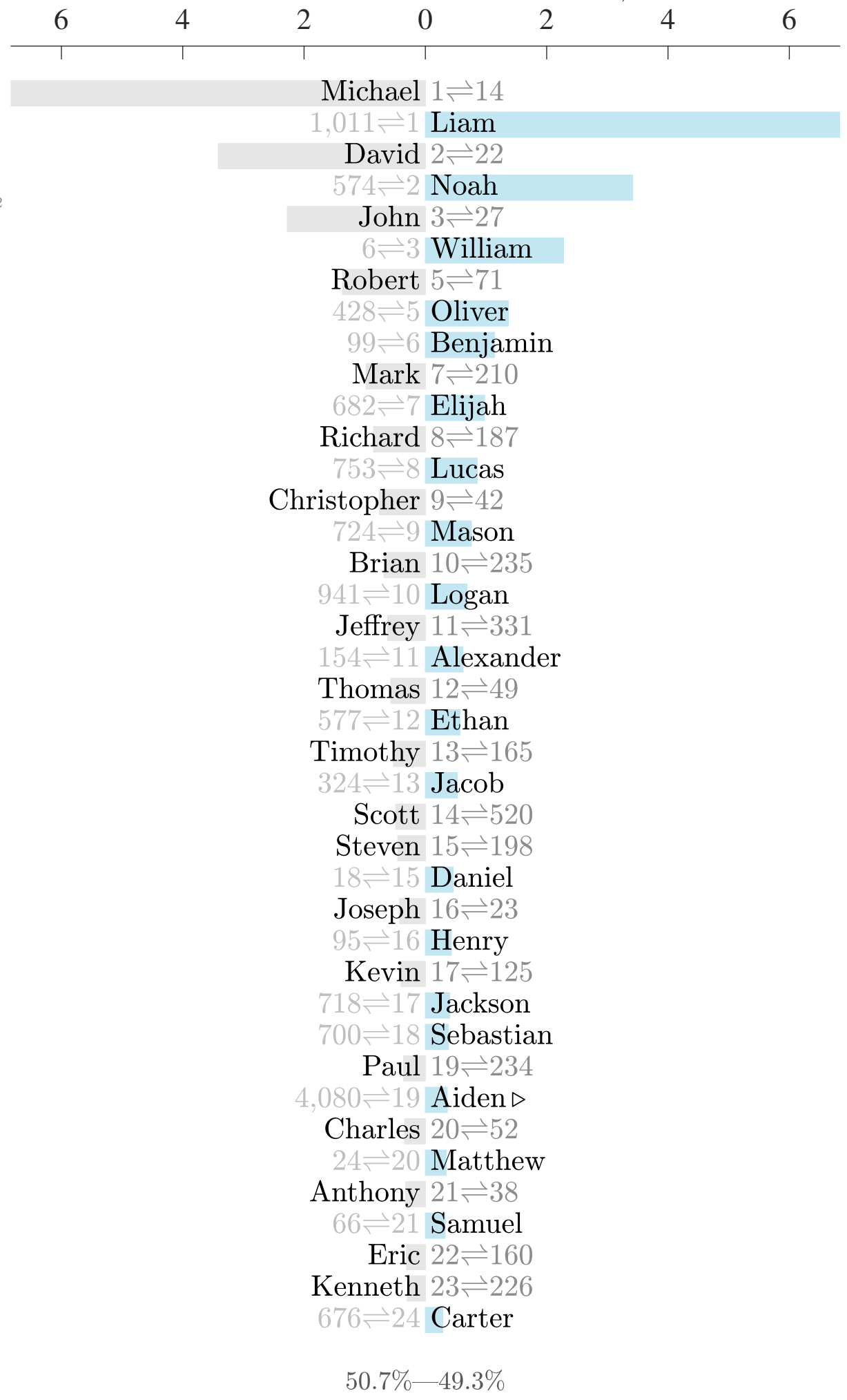
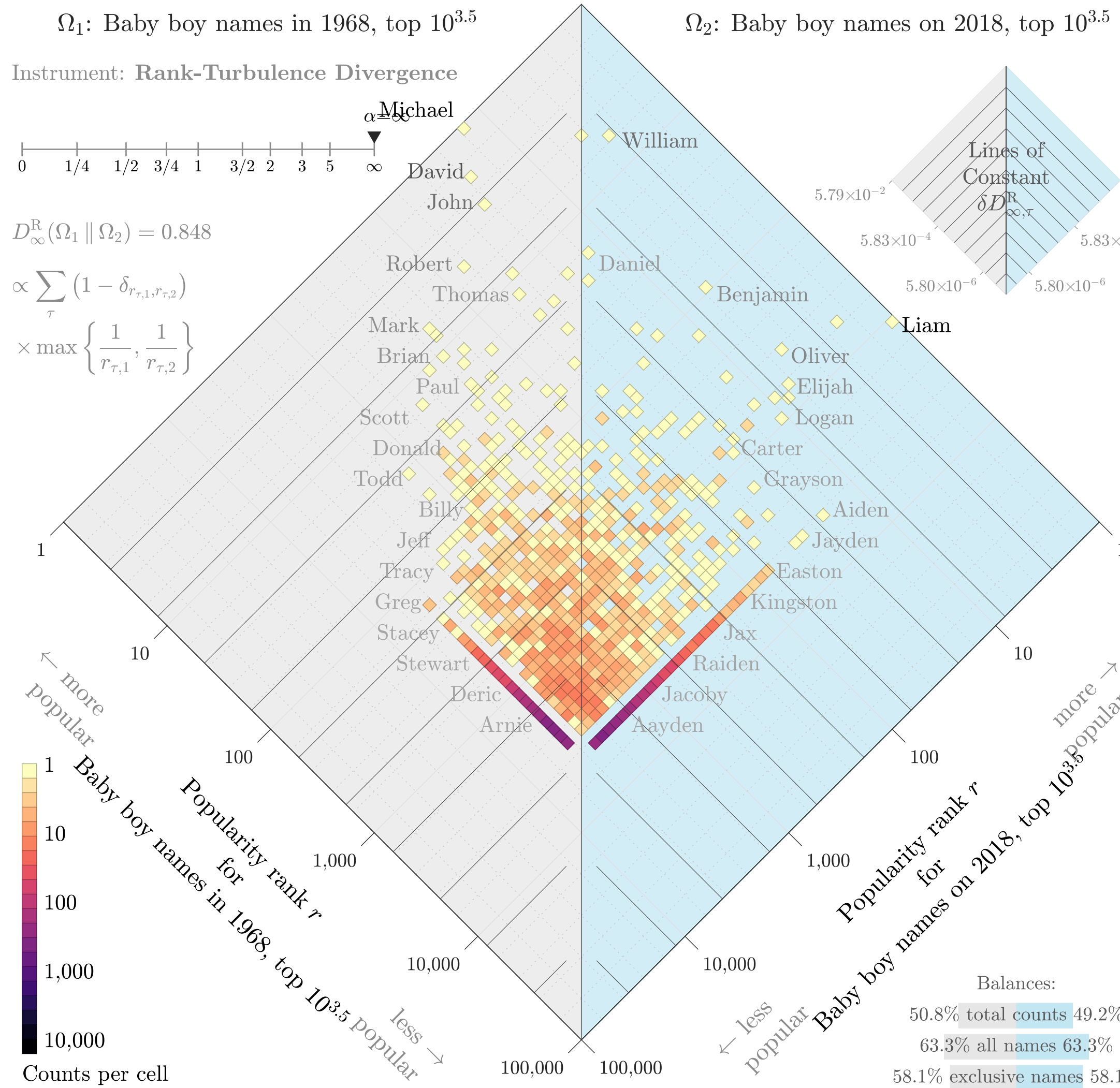
Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.848$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$$

$$\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$



Balances:
 50.8% total counts 49.2%
 63.3% all names 63.3%
 58.1% exclusive names 58.1%

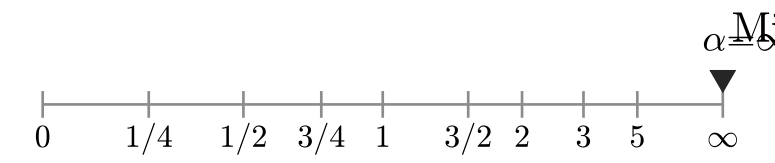
50.7%—49.3%

Ω_1 : Baby boy names in 1968, top $10^{4.0}$

Ω_2 : Baby boy names on 2018, top $10^{4.0}$

Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

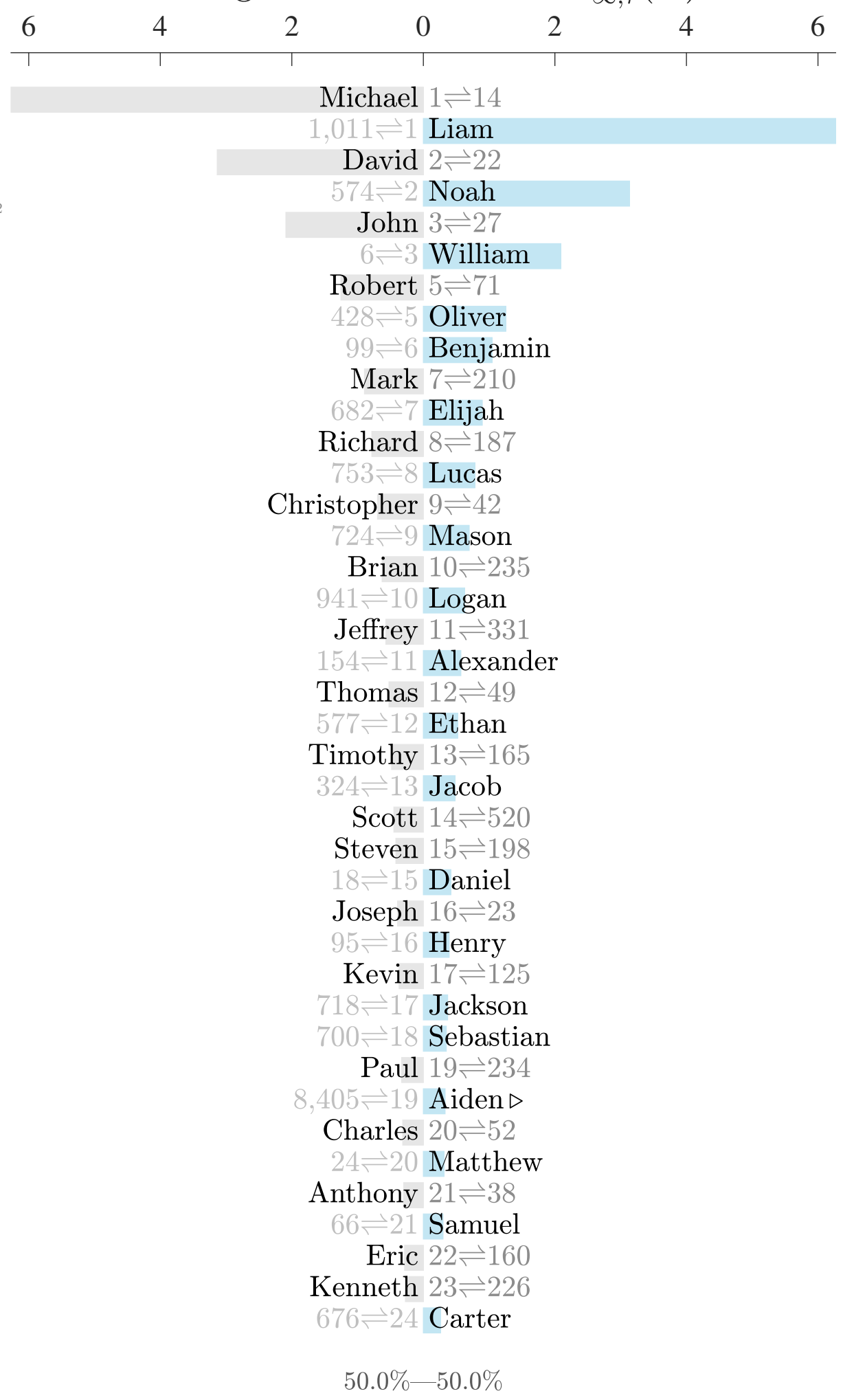
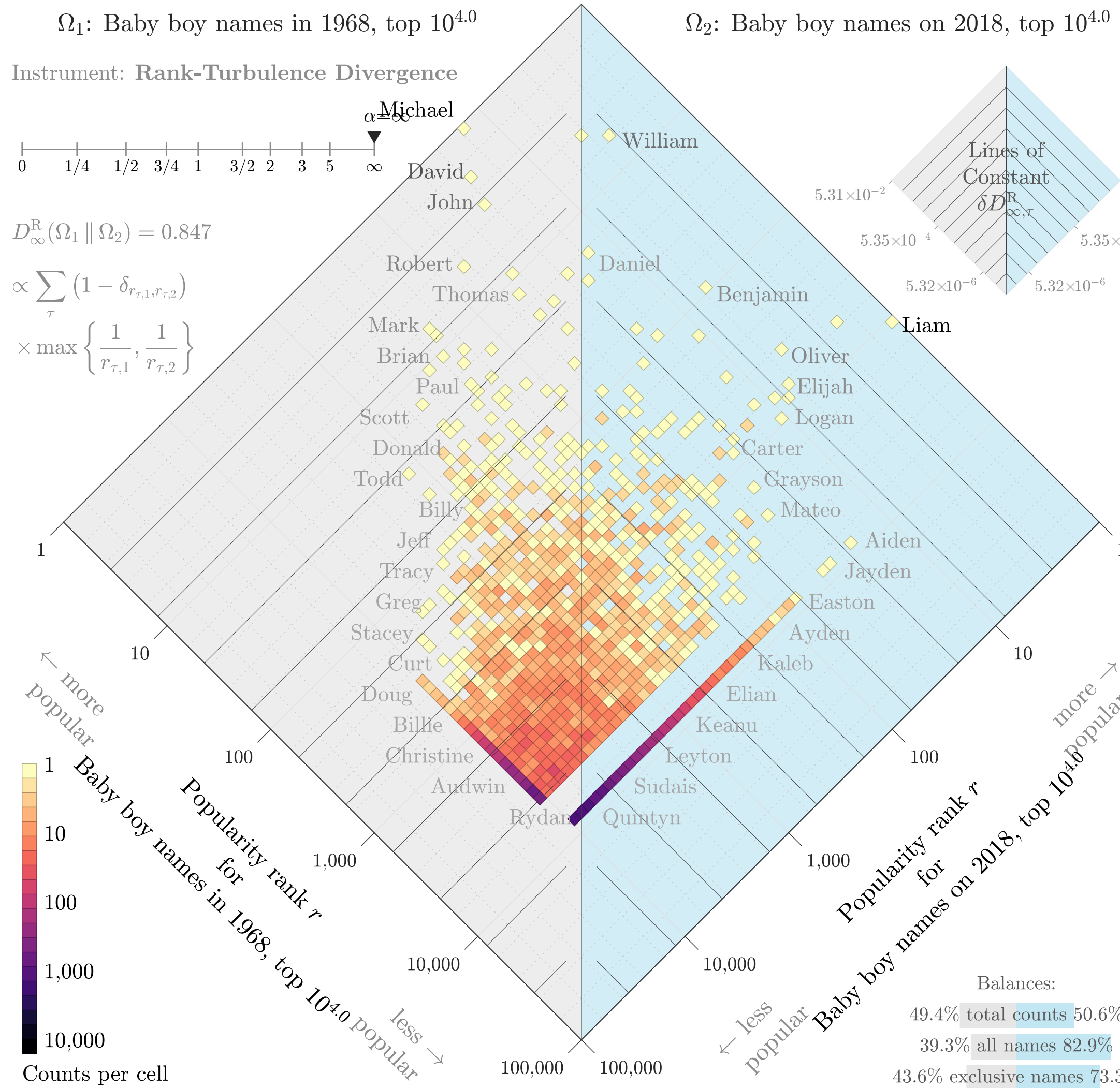
Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.847$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$$

$$\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$



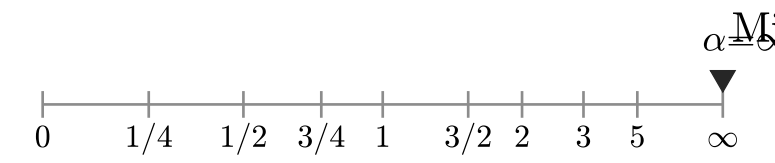
Balances:
 49.4% total counts 50.6%
 39.3% all names 82.9%
 43.6% exclusive names 73.3%

Ω_1 : Baby boy names in 1968, top $10^{4.5}$

Ω_2 : Baby boy names on 2018, top $10^{4.5}$

Divergence contribution $\delta D_{\infty, \tau}^R$ (%)

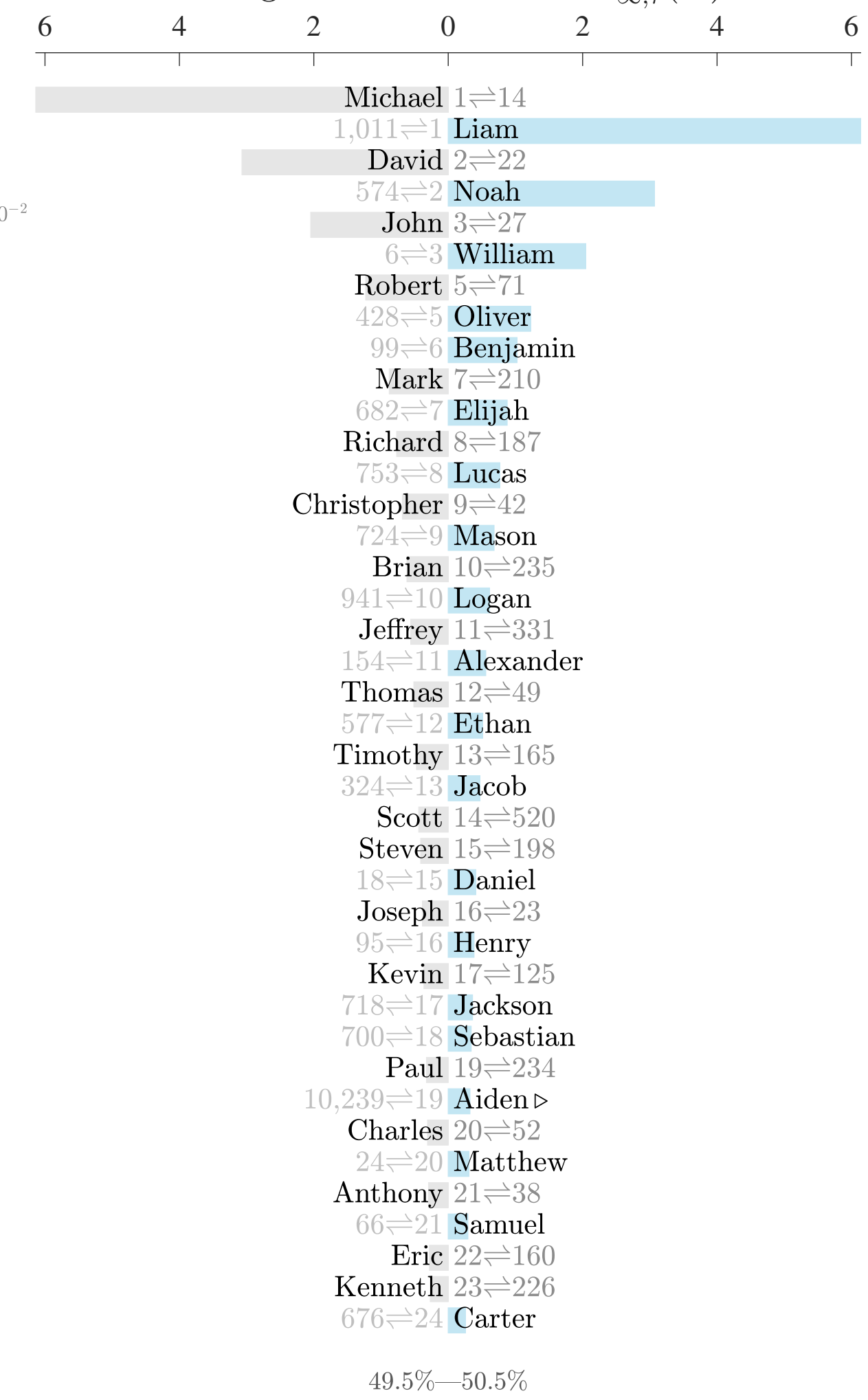
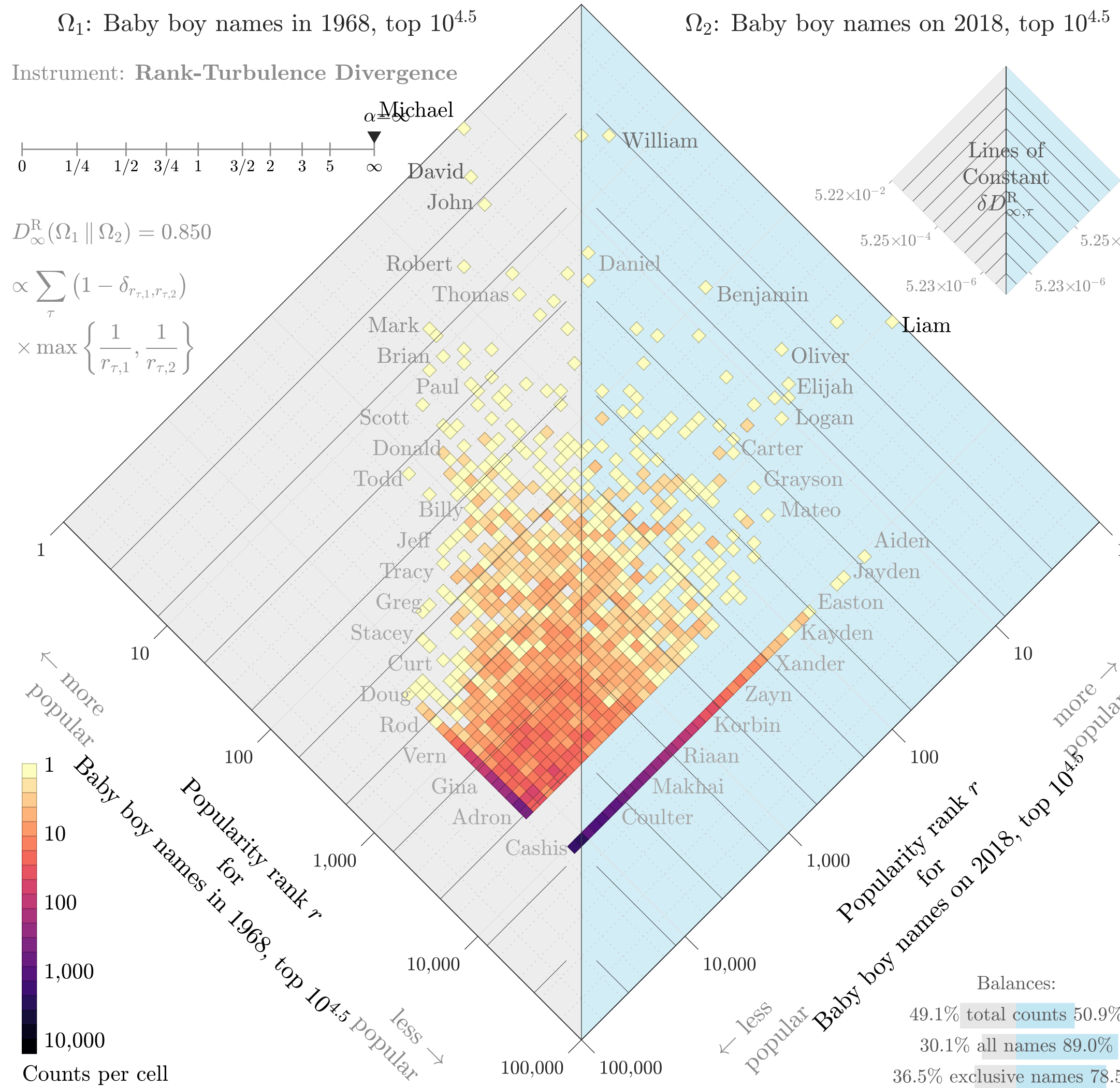
Instrument: Rank-Turbulence Divergence



$$D_{\infty}^R(\Omega_1 \parallel \Omega_2) = 0.850$$

$$\propto \sum_{\tau} (1 - \delta_{r_{\tau,1}, r_{\tau,2}})$$

$$\times \max \left\{ \frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}} \right\}$$



Balances:
 49.1% total counts 50.9%
 30.1% all names 89.0%
 36.5% exclusive names 78.5%