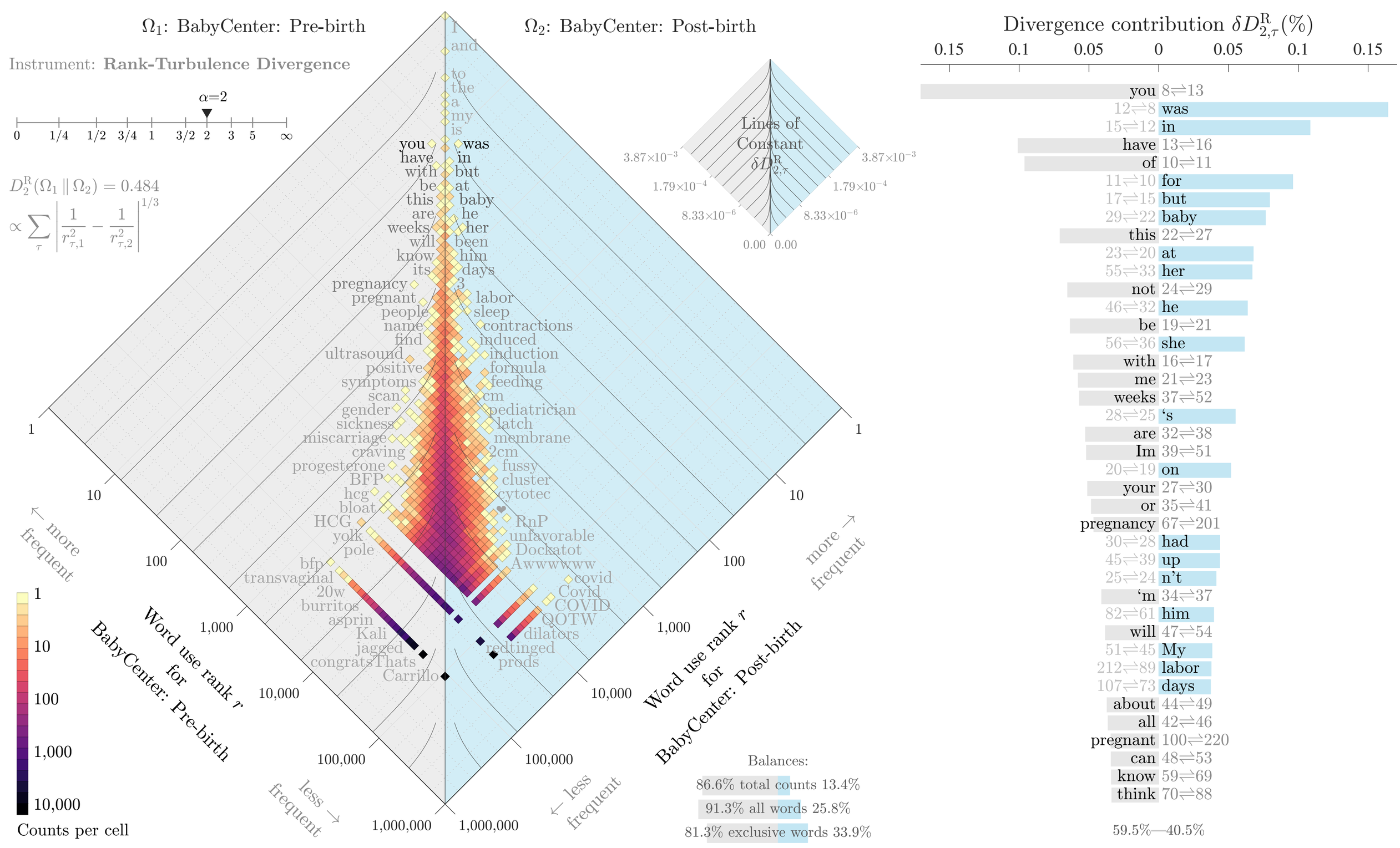
Ω1: BabyCenter: Pre-birth
Ω2: BabyCenter: Post-birth
Instrument: Rank-Turbulence Divergence
α=2
0 1/4 1/2 3/4 1 3/2 2 3 5 ∞
$D_2^R(\Omega_1 \parallel \Omega_2) = 0.484$
$\propto \sum_\tau \left| \frac{1}{r_{\tau,1}^2} - \frac{1}{r_{\tau,2}^2} \right|^{1/3}$
Lines of Constant $\delta D_{2,\tau}^R$
3.87×10⁻³
1.79×10⁻⁴
8.33×10⁻⁶
0.00 0.00
Word use rank r for BabyCenter: Pre-birth
Word use rank r for BabyCenter: Post-birth
← more frequent
more →
← less frequent
less →
1 10 100 1,000 10,000 100,000 1,000,000
Counts per cell
Balances:
86.6% total counts 13.4%
91.3% all words 25.8%
81.3% exclusive words 33.9%
Divergence contribution $\delta D_{2,\tau}^R$(%)
0.15 0.1 0.05 0 0.05 0.1 0.15
you 8⇌13
12⇌8 was
15⇌12 in
have 13⇌16
of 10⇌11
11⇌10 for
17⇌15 but
29⇌22 baby
this 22⇌27
23⇌20 at
55⇌33 her
not 24⇌29
46⇌32 he
be 19⇌21
56⇌36 she
with 16⇌17
me 21⇌23
weeks 37⇌52
28⇌25 ‘s
are 32⇌38
Im 39⇌51
20⇌19 on
your 27⇌30
or 35⇌41
pregnancy 67⇌201
30⇌28 had
45⇌39 up
25⇌24 n’t
‘m 34⇌37
82⇌61 him
will 47⇌54
51⇌45 My
212⇌89 labor
107⇌73 days
about 44⇌49
all 42⇌46
pregnant 100⇌220
can 48⇌53
know 59⇌69
think 70⇌88
59.5%—40.5%