Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

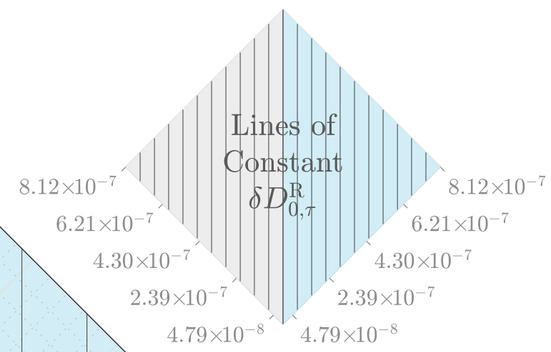
Instrument: **Rank-Turbulence Divergence**

α=0

0 1/4 1/2 3/4 1 3/2 2 3 5 ∞

$D_0^{\mathrm{R}}(\Omega_1 \,\|\, \Omega_2) = 0.335$

$$\propto \sum_{\tau} \left| \ln \frac{r_{\tau,1}}{r_{\tau,2}} \right|$$



Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D_{0,\tau}^{\mathrm{R}}$ ($\times 10^{-4}$%)

1 0 1

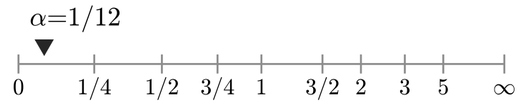
Sung Chiang	2,076⇌10,906,071
the Perfessor	2,976⇌10,906,071
◁Wu Sung	4,624⇌13,162,188
◁Lanny had	7,147⇌13,162,188
◁of Raintree	7,185⇌13,162,188
◁General Beal	9,831⇌13,162,188
Mr Rock	8,577⇌10,906,071
◁Lady Rowley	11,143⇌13,162,188
Raintree County	2,542⇌2,963,430
9,311,928⇌8,069	the CIA ▷
◁Master Copperfield	11,824⇌13,162,188
◁said Traddles	12,141⇌13,162,188
Tai Chung	11,824⇌10,906,071
Sir Marmaduke	8,910⇌7,986,514
9,311,928⇌10,685	the KGB ▷
◁Yang Chi	15,162⇌13,162,188
The Perfessor	13,169⇌10,906,071
◁Colonel Mowbray	18,600⇌13,162,188
◁the Seaflower	18,946⇌13,162,188
◁Scobie said	19,423⇌13,162,188
and Lanny	9,183⇌6,213,864
◁Madame Olenska	19,663⇌13,162,188
said Steerforth	16,405⇌10,906,071
Wu Yung	9,442⇌6,213,864
Lu Chi	12,141⇌7,986,514
◁Nuncombe Putney	20,950⇌13,162,188
◁Lady Milborough	20,950⇌13,162,188
◁Wang Ma	21,226⇌13,162,188
◁General Nichols	21,226⇌13,162,188
Flash said	17,686⇌10,906,071
◁Ty Ty	22,012⇌13,162,188
◁Captain Belton	22,065⇌13,162,188
◁Little Andaman	22,194⇌13,162,188
◁Shih Chin	22,358⇌13,162,188
◁John Spong	22,514⇌13,162,188
◁Great Andaman	22,514⇌13,162,188
◁Aunt Stanbury	22,768⇌13,162,188
in Raintree	14,049⇌7,986,514
◁Rose Anne	23,178⇌13,162,188
9,311,928⇌16,487	Black Wolf ▷

48.0%—52.0%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D^{\mathrm{R}}_{1/12}(\Omega_1 \,\|\, \Omega_2) = 0.356$$

$$\propto \sum_{\tau} \left| \frac{1}{r^{1/12}_{\tau,1}} - \frac{1}{r^{1/12}_{\tau,2}} \right|^{12/13}$$

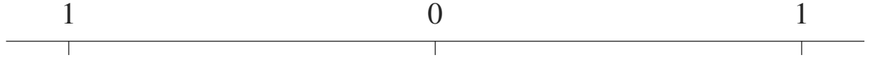
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1/12,\tau}$ ($\times 10^{-4}\%$)



Sung Chiang	2,076⇌10,906,071	
the Perfessor	2,976⇌10,906,071	
◁Wu Sung	4,624⇌13,162,188	
Raintree County	2,542⇌2,963,430	
◁Lanny had	7,147⇌13,162,188	
◁of Raintree	7,185⇌13,162,188	
Mr Rock	8,577⇌10,906,071	
9,311,928⇌8,069		the CIA ▷
◁General Beal	9,831⇌13,162,188	
◁Lady Rowley	11,143⇌13,162,188	
Sir Marmaduke	8,910⇌7,986,514	
◁Master Copperfield	11,824⇌13,162,188	
◁said Traddles	12,141⇌13,162,188	
9,311,928⇌10,685		the KGB ▷
Tai Chung	11,824⇌10,906,071	
and Lanny	9,183⇌6,213,864	
Wu Yung	9,442⇌6,213,864	
The Perfessor	13,169⇌10,906,071	
Jacob Levy	4,850⇌1,901,684	
◁Yang Chi	15,162⇌13,162,188	
Lu Chi	12,141⇌7,986,514	
said Steerforth	16,405⇌10,906,071	
◁Colonel Mowbray	18,600⇌13,162,188	
in Raintree	14,049⇌7,986,514	
◁the Seaflower	18,946⇌13,162,188	
◁Scobie said	19,423⇌13,162,188	
◁Madame Olenska	19,663⇌13,162,188	
Flash said	17,686⇌10,906,071	
9,311,928⇌16,487		Black Wolf ▷
the Andamanese	15,270⇌7,986,514	
◁Nuncombe Putney	20,950⇌13,162,188	
◁Lady Milborough	20,950⇌13,162,188	
◁Wang Ma	21,226⇌13,162,188	
◁General Nichols	21,226⇌13,162,188	
◁Ty Ty	22,012⇌13,162,188	
◁Captain Belton	22,065⇌13,162,188	
◁Little Andaman	22,194⇌13,162,188	
9,311,928⇌18,169		in Vietnam ▷
◁Shih Chin	22,358⇌13,162,188	
◁John Spong	22,514⇌13,162,188	

47.9%—52.1%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

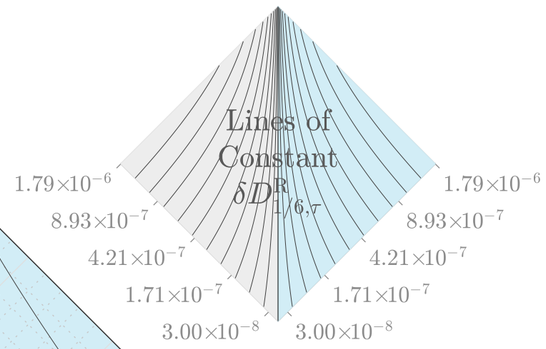
Instrument: **Rank-Turbulence Divergence**

α=1/6

0 1/4 1/2 3/4 1 3/2 2 3 5 ∞

$D^{\mathrm{R}}_{1/6}(\Omega_1 \,\|\, \Omega_2) = 0.376$

$$\propto \sum_{\tau} \left| \frac{1}{r^{1/6}_{\tau,1}} - \frac{1}{r^{1/6}_{\tau,2}} \right|^{6/7}$$



Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1/6,\tau}$ ($\times 10^{-4}$%)

1 0 1

Sung Chiang	2,076⇌10,906,071
the Perfessor	2,976⇌10,906,071
Raintree County	2,542⇌2,963,430
◁Wu Sung	4,624⇌13,162,188
◁Lanny had	7,147⇌13,162,188
◁of Raintree	7,185⇌13,162,188
9,311,928⇌8,069	the CIA ▷
Mr Rock	8,577⇌10,906,071
Jacob Levy	4,850⇌1,901,684
◁General Beal	9,831⇌13,162,188
Sir Marmaduke	8,910⇌7,986,514
◁Lady Rowley	11,143⇌13,162,188
and Lanny	9,183⇌6,213,864
◁Master Copperfield	11,824⇌13,162,188
9,311,928⇌10,685	the KGB ▷
Wu Yung	9,442⇌6,213,864
◁said Traddles	12,141⇌13,162,188
Tai Chung	11,824⇌10,906,071
Miss Stanbury	6,513⇌1,631,259
The Perfessor	13,169⇌10,906,071
Lu Chi	12,141⇌7,986,514
Colonel Ross	5,105⇌794,670
◁Yang Chi	15,162⇌13,162,188
Colonel Osborne	9,740⇌2,963,430
in Raintree	14,049⇌7,986,514
1,044,044⇌6,642	the computer
said Steerforth	16,405⇌10,906,071
the Andamanese	15,270⇌7,986,514
9,311,928⇌16,487	Black Wolf ▷
◁Colonel Mowbray	18,600⇌13,162,188
Flash said	17,686⇌10,906,071
◁the Seaflower	18,946⇌13,162,188
◁Scobie said	19,423⇌13,162,188
◁Madame Olenska	19,663⇌13,162,188
Lanny was	14,307⇌5,076,082
4,055,776⇌13,151	the fuck
Miss Murdstone	7,638⇌1,068,541
9,311,928⇌18,169	in Vietnam ▷
9,311,928⇌18,433	Bantam Books ▷
◁Nuncombe Putney	20,950⇌13,162,188

47.8%—52.2%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

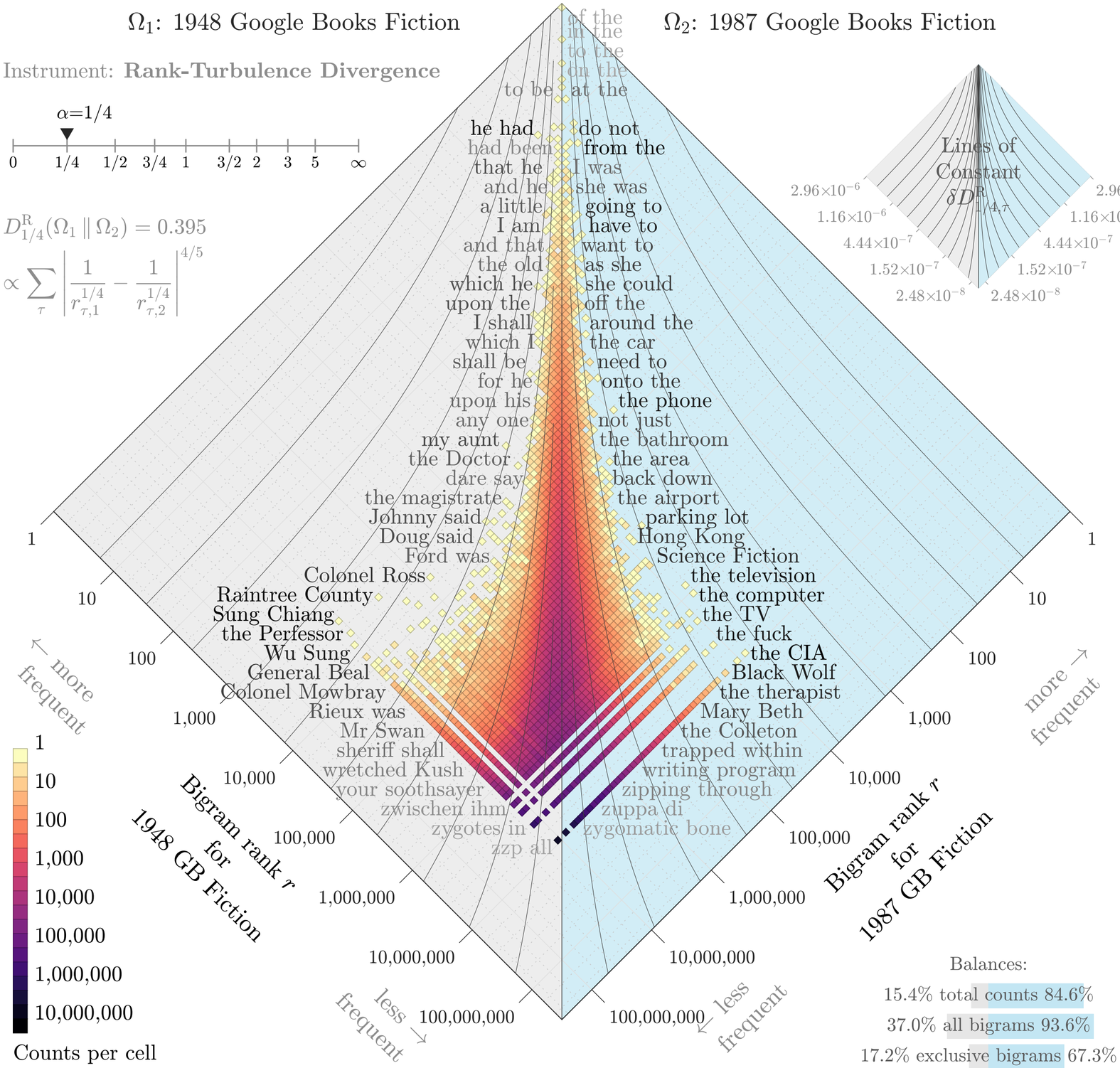
Instrument: **Rank-Turbulence Divergence**

α=1/4

0 1/4 1/2 3/4 1 3/2 2 3 5 ∞

$$D^{\mathrm{R}}_{1/4}(\Omega_1 \,\|\, \Omega_2) = 0.395$$

$$\propto \sum_{\tau} \left| \frac{1}{r^{1/4}_{\tau,1}} - \frac{1}{r^{1/4}_{\tau,2}} \right|^{4/5}$$



Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1/4,\tau}$ ($\times 10^{-4}$%)

1 0 1

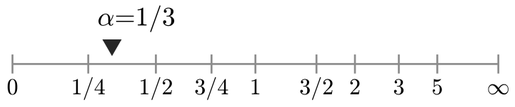
Sung Chiang	2,076⇌10,906,071
the Perfessor	2,976⇌10,906,071
Raintree County	2,542⇌2,963,430
he had	8⇌19
◁Wu Sung	4,624⇌13,162,188
Jacob Levy	4,850⇌1,901,684
◁Lanny had	7,147⇌13,162,188
◁of Raintree	7,185⇌13,162,188
9,311,928⇌8,069	the CIA ▷
Mr Rock	8,577⇌10,906,071
Colonel Ross	5,105⇌794,670
Sir Marmaduke	8,910⇌7,986,514
◁General Beal	9,831⇌13,162,188
19⇌10	from the
Miss Stanbury	6,513⇌1,631,259
and Lanny	9,183⇌6,213,864
Wu Yung	9,442⇌6,213,864
◁Lady Rowley	11,143⇌13,162,188
9,311,928⇌10,685	the KGB ▷
1,044,044⇌6,642	the computer
◁Master Copperfield	11,824⇌13,162,188
◁said Traddles	12,141⇌13,162,188
Tai Chung	11,824⇌10,906,071
Colonel Osborne	9,740⇌2,963,430
Lu Chi	12,141⇌7,986,514
806,773⇌6,972	the television
The Perfessor	13,169⇌10,906,071
Miss Murdstone	7,638⇌1,068,541
◁Yang Chi	15,162⇌13,162,188
in Raintree	14,049⇌7,986,514
1,915,885⇌10,572	the TV
Lady Glencora	11,252⇌2,300,157
the Andamanese	15,270⇌7,986,514
4,055,776⇌13,151	the fuck
said Steerforth	16,405⇌10,906,071
uncle Toby	10,959⇌1,901,684
6,530⇌918	the phone
Lanny was	14,307⇌5,076,082
9,311,928⇌16,487	Black Wolf ▷
Flash said	17,686⇌10,906,071

47.8%—52.2%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D^{\mathrm{R}}_{1/3}(\Omega_1 \,\|\, \Omega_2) = 0.412$$

$$\propto \sum_{\tau} \left| \frac{1}{r^{1/3}_{\tau,1}} - \frac{1}{r^{1/3}_{\tau,2}} \right|^{3/4}$$

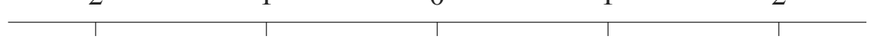
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1/3,\tau}$ ($\times 10^{-4}$%)



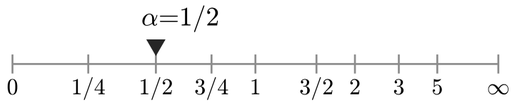
he had	8⇌19
19⇌10	from the
Sung Chiang	2,076⇌10,906,071
of a	10⇌16
Raintree County	2,542⇌2,963,430
14⇌9	do not
the Perfessor	2,976⇌10,906,071
12⇌8	did not
129⇌57	have to
80⇌40	going to
that he	22⇌38
◁Wu Sung	4,624⇌13,162,188
I am	46⇌85
Jacob Levy	4,850⇌1,901,684
which he	149⇌373
6,530⇌918	the phone
◁Lanny had	7,147⇌13,162,188
◁of Raintree	7,185⇌13,162,188
upon the	227⇌633
Colonel Ross	5,105⇌794,670
a little	44⇌76
9,311,928⇌8,069	the CIA ▷
Miss Stanbury	6,513⇌1,631,259
Mr Rock	8,577⇌10,906,071
it was	9⇌12
195⇌99	as she
to him	59⇌103
1,044,044⇌6,642	the computer
I shall	253⇌661
my aunt	1,692⇌14,881
Sir Marmaduke	8,910⇌7,986,514
◁General Beal	9,831⇌13,162,188
and Lanny	9,183⇌6,213,864
Wu Yung	9,442⇌6,213,864
806,773⇌6,972	the television
it is	42⇌67
Miss Murdstone	7,638⇌1,068,541
271⇌134	she could
9,311,928⇌10,685	the KGB ▷
◁Lady Rowley	11,143⇌13,162,188

47.8%—52.2%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D^{\mathrm{R}}_{1/2}(\Omega_1 \,\|\, \Omega_2) = 0.443$$

$$\propto \sum_{\tau} \left| \frac{1}{r^{1/2}_{\tau,1}} - \frac{1}{r^{1/2}_{\tau,2}} \right|^{2/3}$$

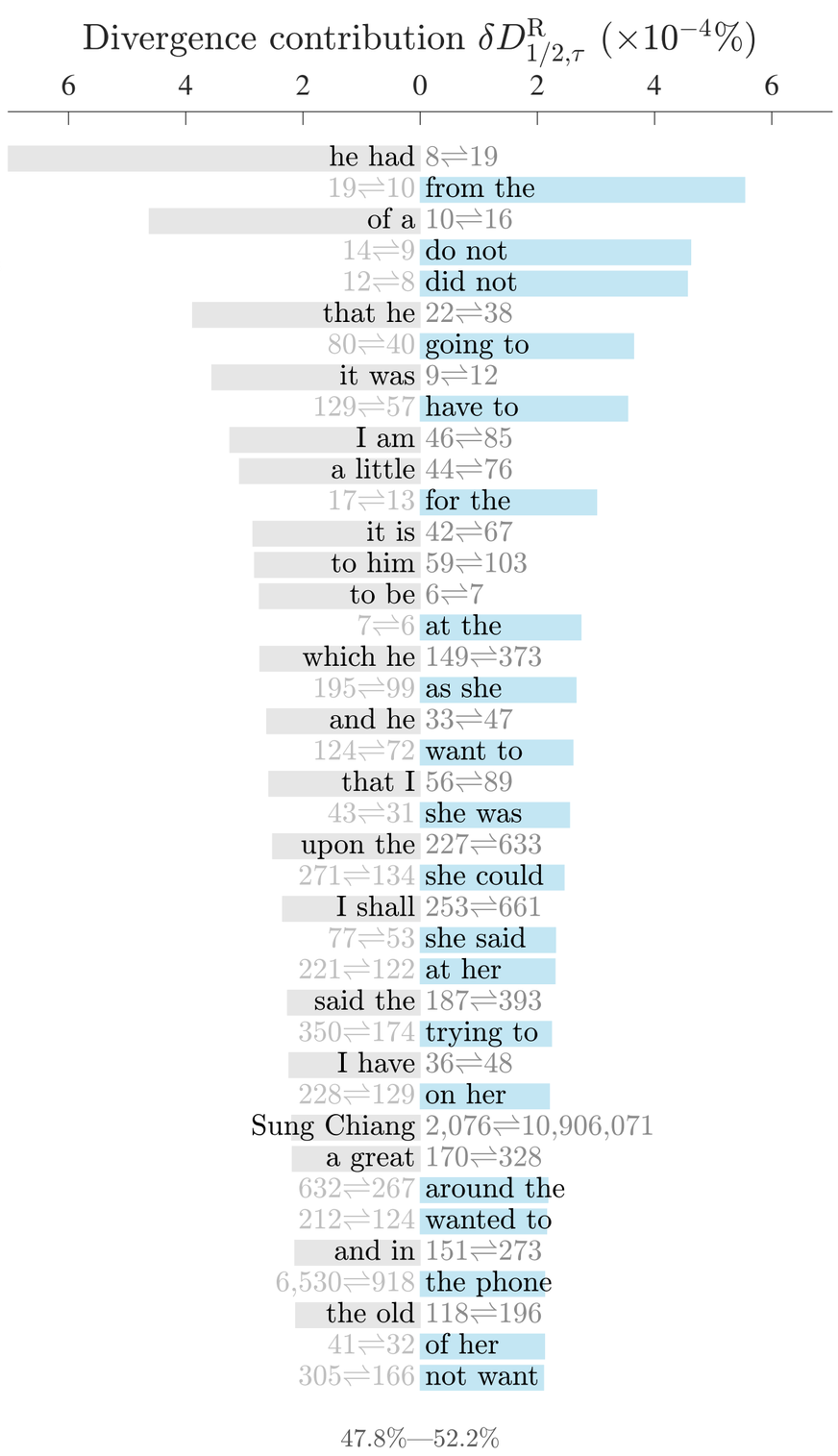
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1/2,\tau}$ ($\times 10^{-4}$%)



47.8%—52.2%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

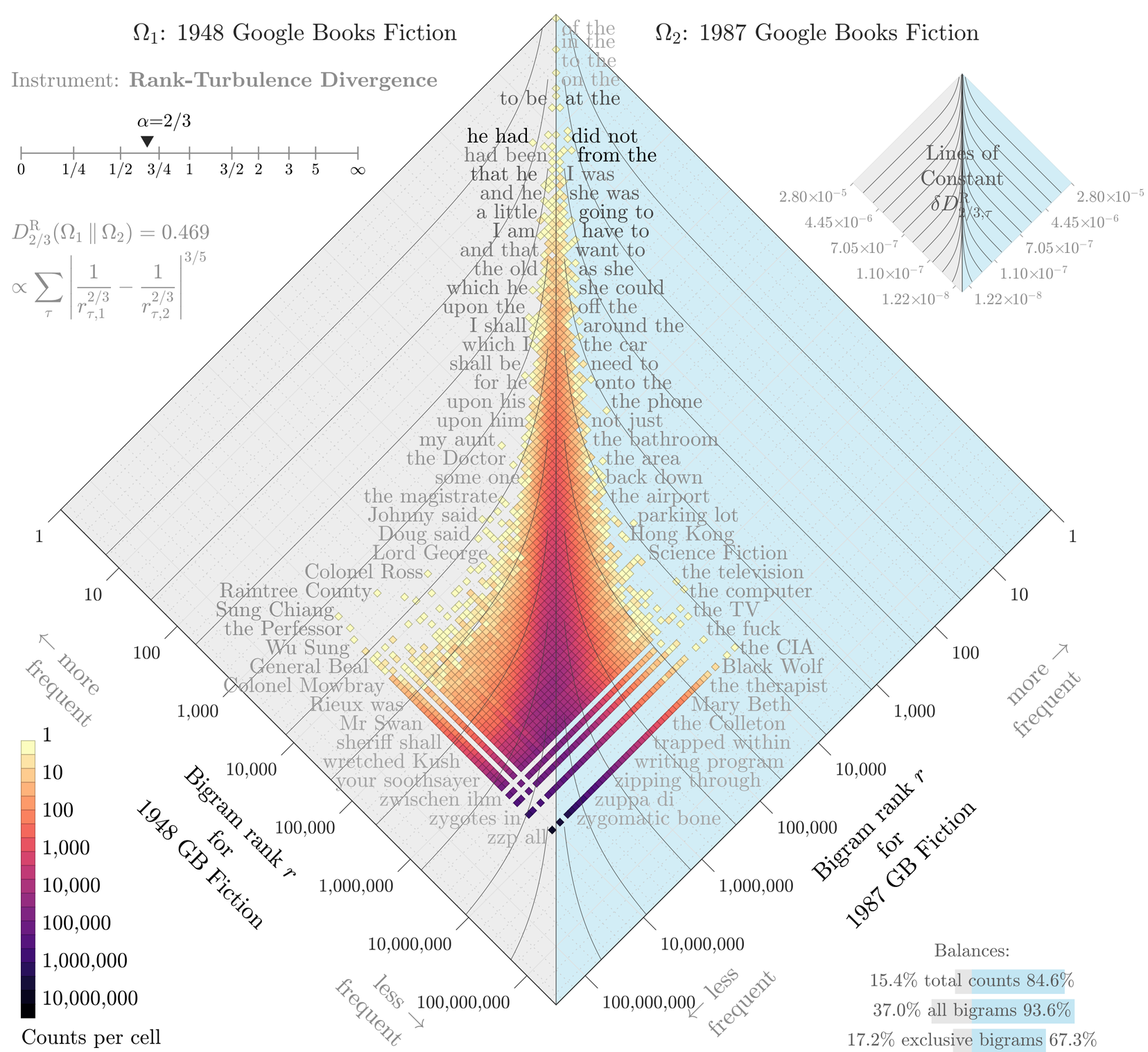
Instrument: **Rank-Turbulence Divergence**

α=2/3

0 1/4 1/2 3/4 1 3/2 2 3 5 ∞

$D^{\mathrm{R}}_{2/3}(\Omega_1 \,\|\, \Omega_2) = 0.469$

$$\propto \sum_{\tau} \left| \frac{1}{r^{2/3}_{\tau,1}} - \frac{1}{r^{2/3}_{\tau,2}} \right|^{3/5}$$



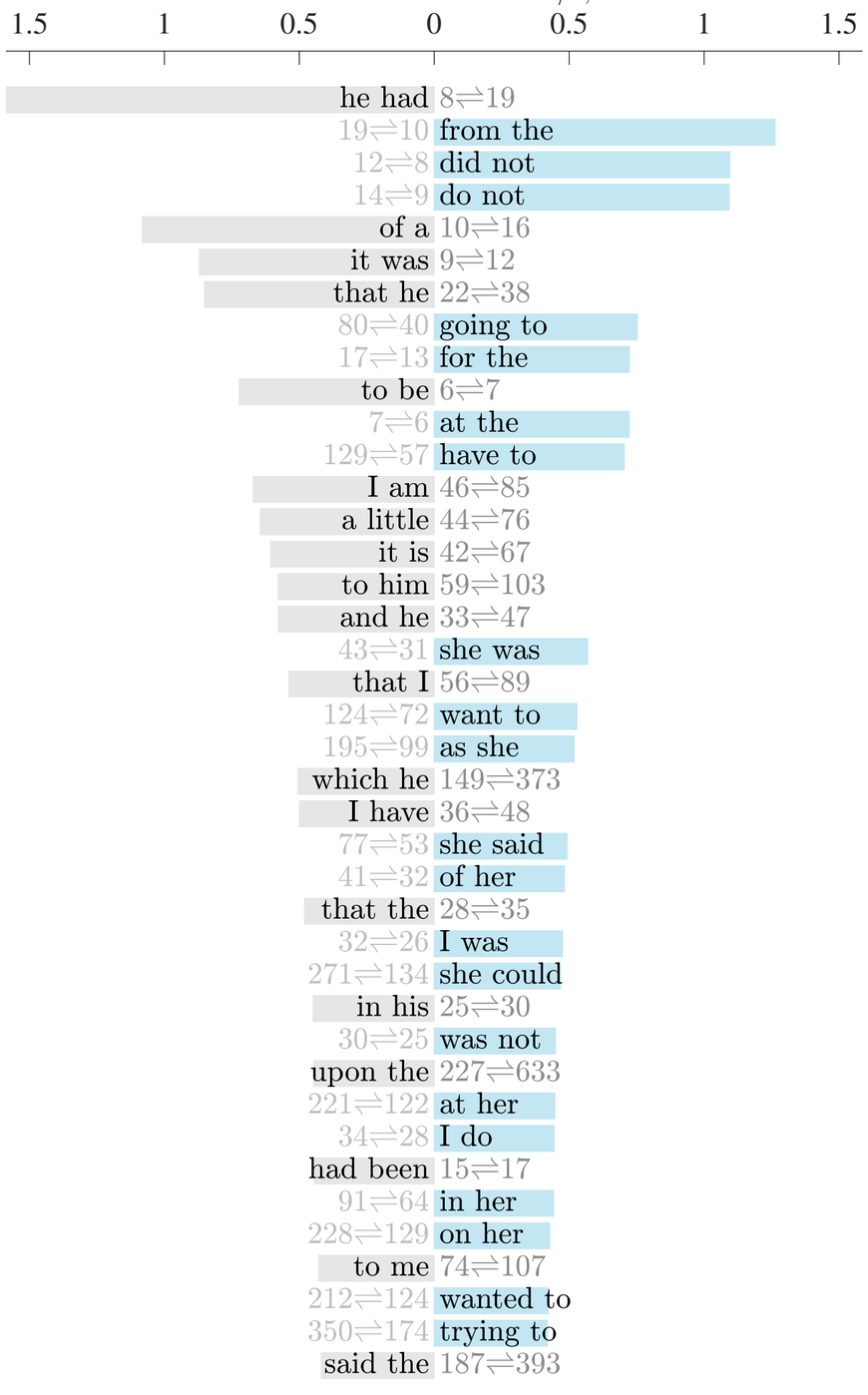
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{2/3,\tau}$ ($\times10^{-3}$%)

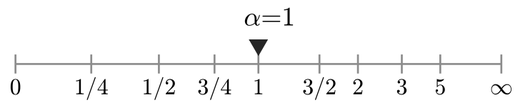


48.0%—52.0%

Ω_1: 1948 Google Books Fiction

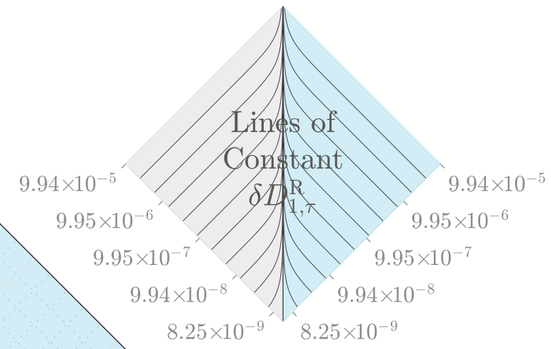
Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D_1^{\mathrm{R}}(\Omega_1 \,\|\, \Omega_2) = 0.511$$

$$\propto \sum_{\tau} \left| \frac{1}{r^1_{\tau,1}} - \frac{1}{r^1_{\tau,2}} \right|^{1/2}$$



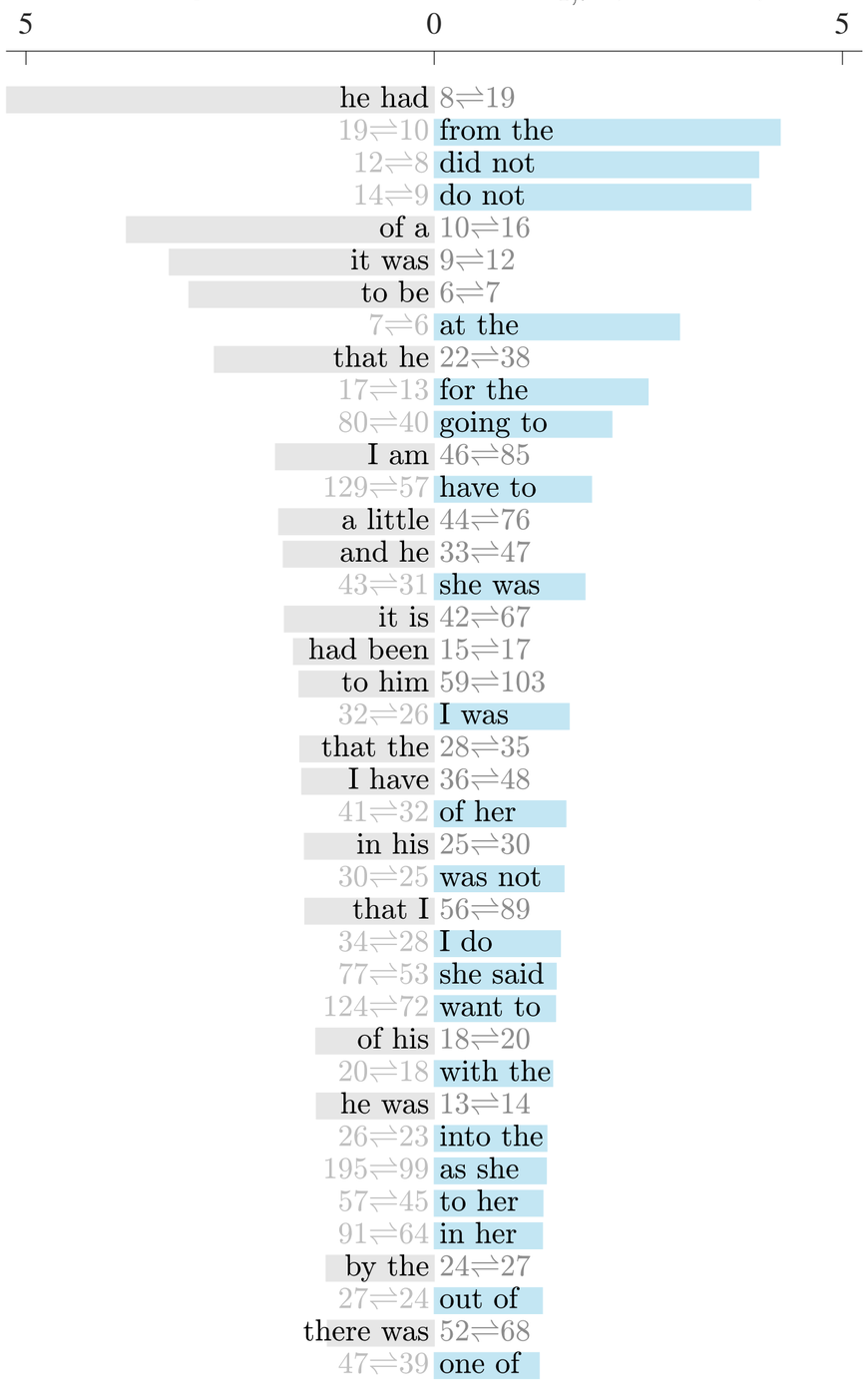
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{1,\tau}$ ($\times 10^{-3}\%$)

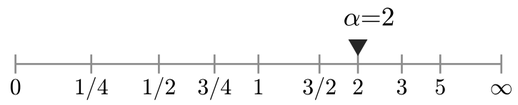


48.2%—51.8%

Ω_1: 1948 Google Books Fiction

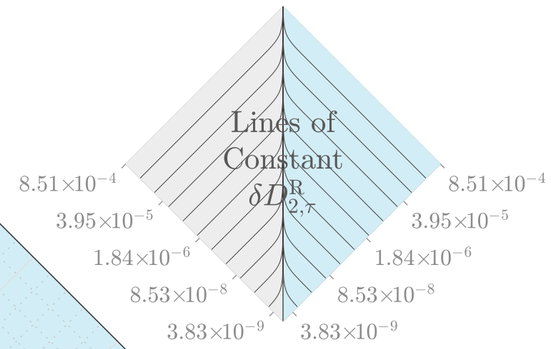
Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D_2^{\mathrm{R}}(\Omega_1 \,\|\, \Omega_2) = 0.572$$

$$\propto \sum_{\tau} \left| \frac{1}{r_{\tau,1}^2} - \frac{1}{r_{\tau,2}^2} \right|^{1/3}$$



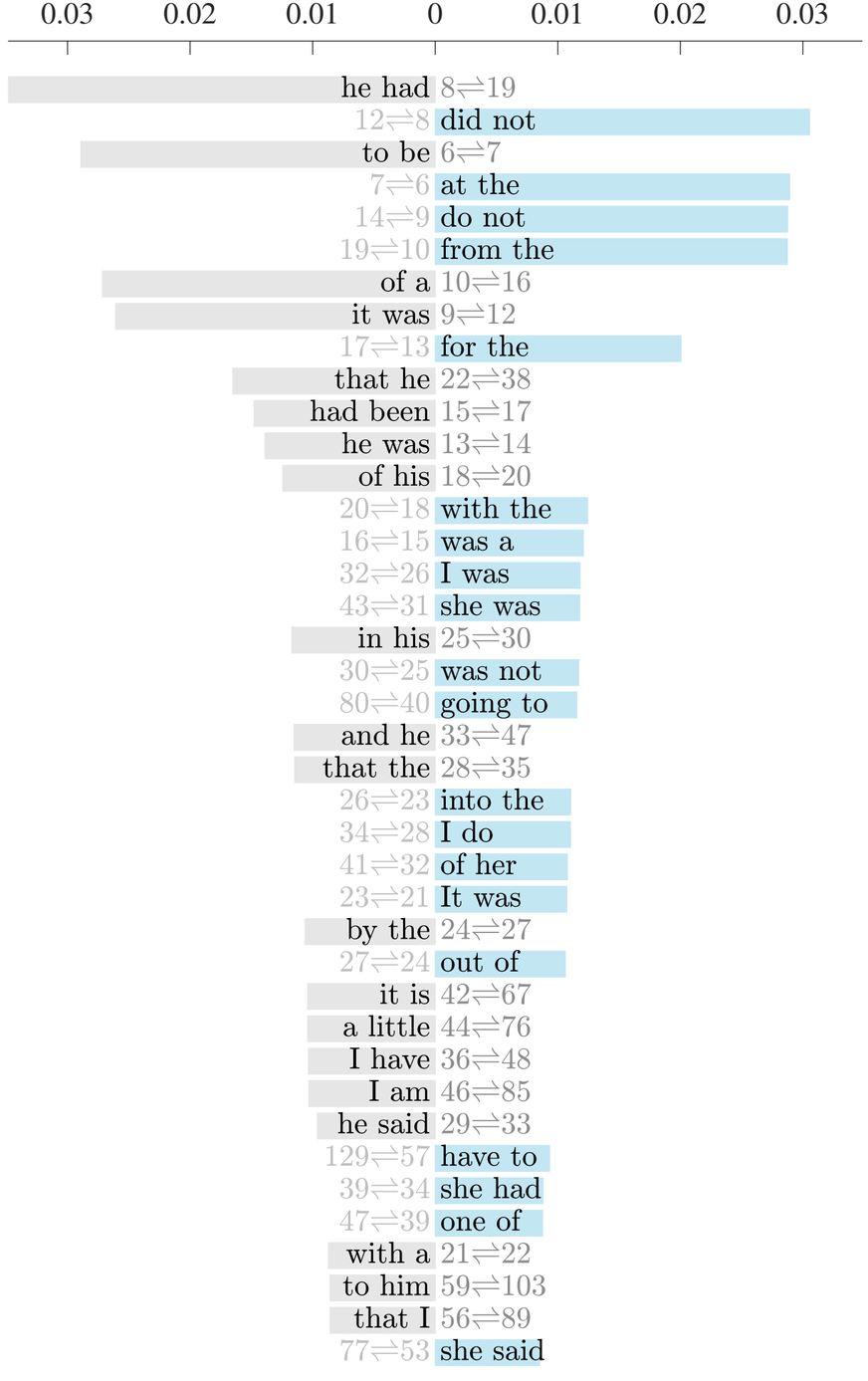
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{2,\tau}(\%)$

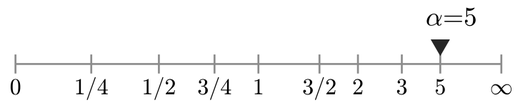


49.0%—51.0%

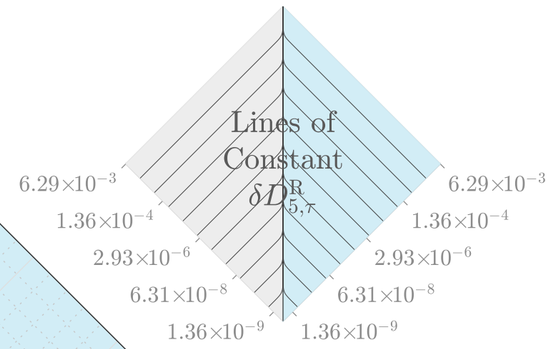
Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D_5^{\mathrm{R}}(\Omega_1 \,\|\, \Omega_2) = 0.595$$
$$\propto \sum_{\tau} \left| \frac{1}{r_{\tau,1}^{5}} - \frac{1}{r_{\tau,2}^{5}} \right|^{1/6}$$



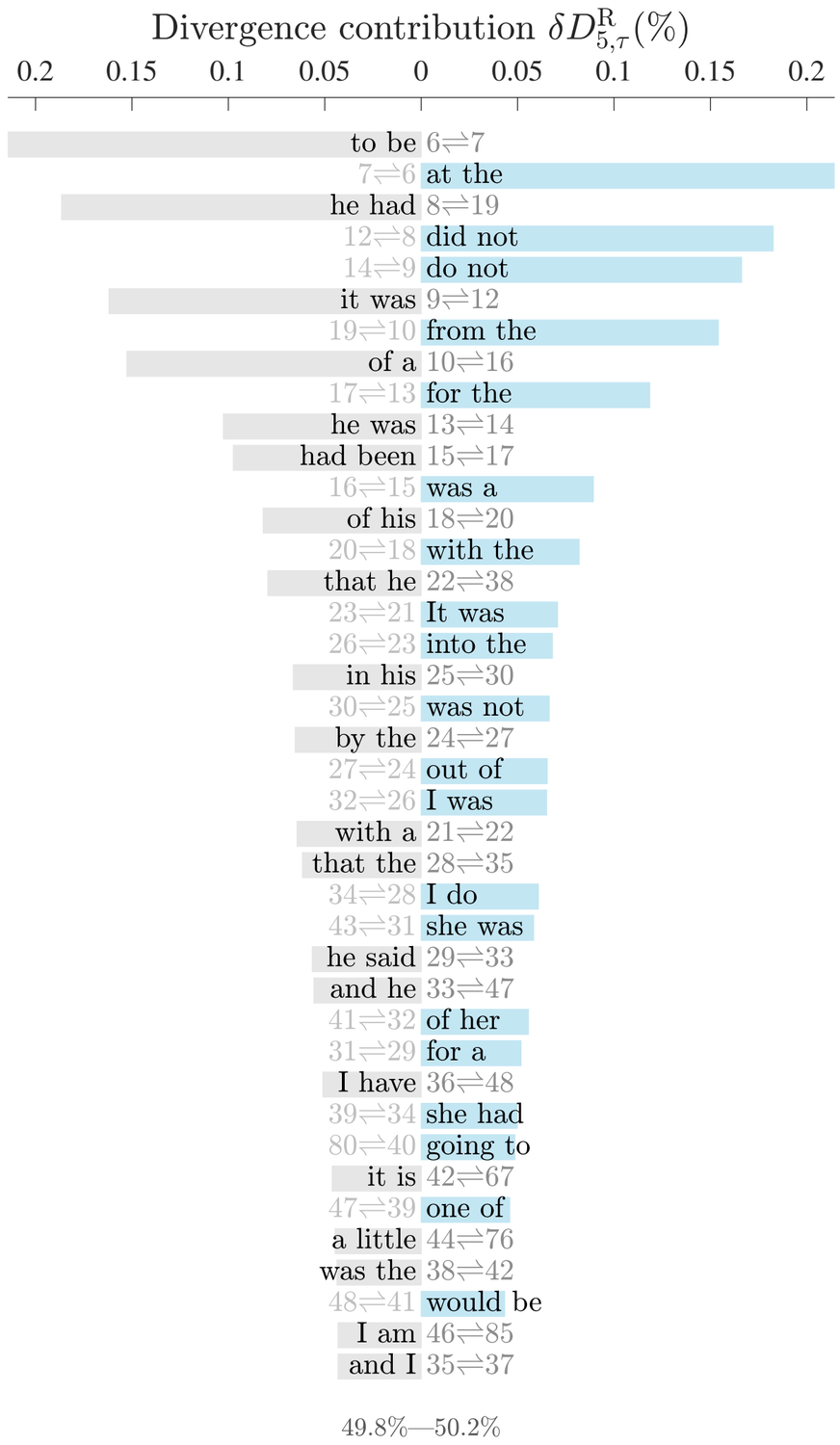
Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%

Divergence contribution $\delta D^{\mathrm{R}}_{5,\tau}$(%)

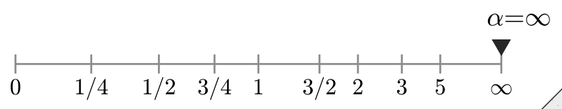


49.8%—50.2%

Ω_1: 1948 Google Books Fiction

Ω_2: 1987 Google Books Fiction

Instrument: **Rank-Turbulence Divergence**



$$D^{\mathrm{R}}_{\infty}(\Omega_1 \,\|\, \Omega_2) = 0.522$$

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

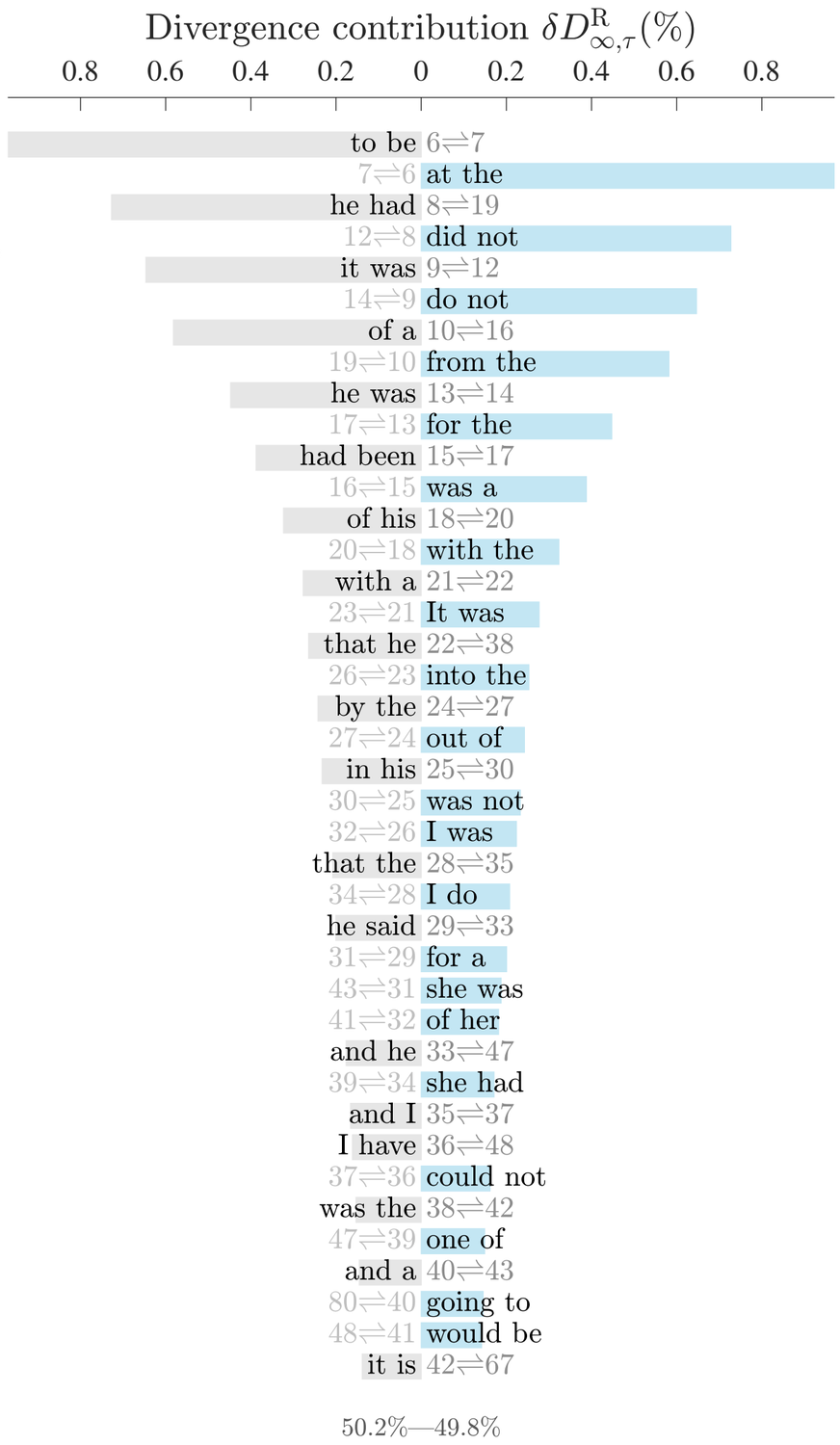
$$\times \max\left\{\frac{1}{r_{\tau,1}}, \frac{1}{r_{\tau,2}}\right\}$$

Balances:

15.4% total counts 84.6%

37.0% all bigrams 93.6%

17.2% exclusive bigrams 67.3%



50.2%—49.8%