

Scope of analysis

The analysis includes 63 novels written by Stephen Kings and published as of May 2022.

1974	Carrie	1984	Thinner	1997	Wizard and Glass	2012	The Wind Through
1975	'Salem's Lot	1986	It	1998	Bag of Bones	the Ke	yhole
1977	The Shining	1987	The Drawing of the	1999	The Girl Who	2013	Joyland
1977	Rage	Three		Loved	Tom Gordon	2013	Doctor Sleep
1979	The Long Walk	1987	Misery	2001	Dreamcatcher	2014	Mr. Mercedes
1979	The Dead Zone	1987	The	2001	Black House	2014	Revival
1980	Firestarter	Tommy	yknockers	2002	From a Buick 8	2015	Finders Keepers
1981	Roadwork	1989	The Dark Half	2003	Wolves of the Calla	2016	End of Watch
1981	Cujo	1990	The Stand	2004	Song of Susannah	2017	Gwendy's Button
1982	The Running Man	1991	The Waste Lands	2004	The Dark Tower	Box	
1982	The Gunslinger	1991	Needful Things	2005	The Colorado Kid	2017	Sleeping Beauties
1983	Christine	1992	Gerald's Game	2006	Cell	2018	The Outsider
		1992	Dolores Claiborne	2006	Lisey's Story	2018	Elevation
1983	Pet Sematary	1994	Insomnia	2007	Blaze	2019	The Institute
1983 Werev	Cycle of the volf	1995	Rose Madder	2008	Duma Key	2021	Later
1984	The Talisman	1996	The Green Mile	2009	Under the Dome	2021	Billy Summers
1984	The Eyes of the	1996	Desperation	2011	11/22/63	2022	Gwendy's Final
Dragon		1996	The Regulators		. ,	Task	

Method of comparison

63 novels were compared among themselves using **TfidfVectorizer**, a sklearn feature extraction tool that converts a collection of raw documents to a matrix of **TF-IDF** (term frequency — inverse document frequency) features.

TF-IDF is a measure of the originality (weight) of a word, in which the frequency of a word in a document is compared with the number of documents in which the word occurs. Only the frequency of words in a document is considered; while information about the relative position of words is ignored. For each pair of books, the result is a number from **0** (least similarity) to **1** (most similarity).

The most similar novels

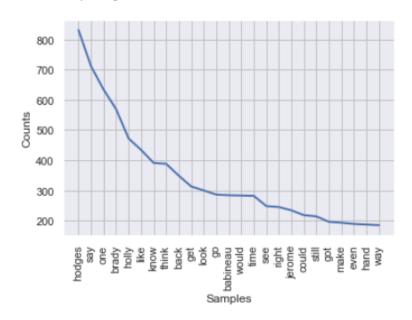
All novels in pairs of very similar books (similarity \geq 0.95) were written after 2009, except Bag of Bones.

			Similarity
Pair 1	End Of Watch (2016)	Finders Keepers (2015)	0.966924
Pair 2	Gwendy's Button Box (2017)	Gwendy's Final Task (2022)	0.965771
Pair 3	Joyland (2013)	Under The Dome (2009)	0.964749
Pair 4	Joyland (2013)	Revival (2014)	0.956291
Pair 5	Joyland (2013)	Bag Of Bones (1998)	0.951275
Pair 6	Joyland (2013)	The Outsider (2018)	0.950588
Pair 7	Revival (2014)	Under The Dome (2009)	0.950219

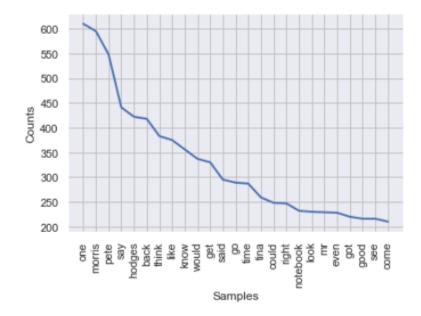
The most similar novels

End Of Watch and **Finders Keepers** are two parts of Bill Hodges trilogy. Thus, it should not come as a surprise that they are similar.

Word frequency in the novel End Of Watch



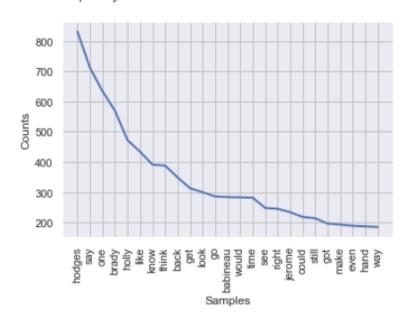
Word frequency in the novel Finders Keepers



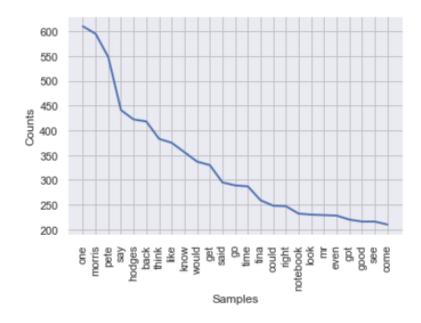
The most similar novels

Gwendy's Final Task continues the **Gwendy's Button Box** novel. It is also obvious that they can have similarity in terms of word frequency.

Word frequency in the novel End Of Watch



Word frequency in the novel Finders Keepers



Joyland, however, is strongly similar to four novels, with which it is not in the same cycle: Bag Of Bones, Under The Dome, Revival, and Outsider. At the same time, the last three are also all similar to each other.

Similarity among The Dark Tower novels

- 0.9

- 0.8

- 0.7

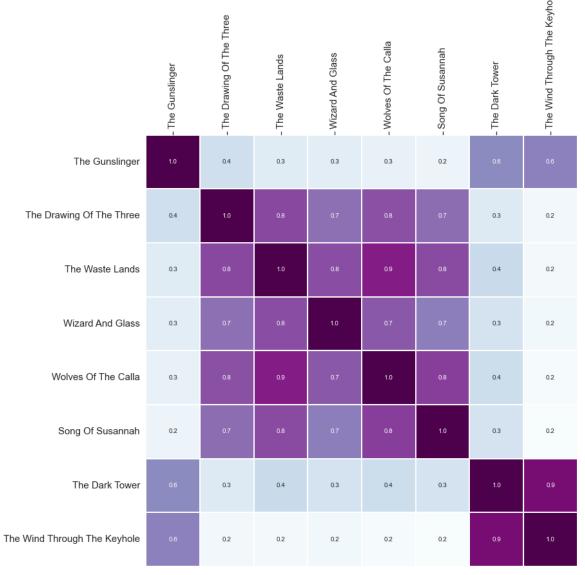
- 0.6

- 0.5

- 0.4

- 0.3

- 0.2



Similarity among The Dark Tower novels

There are two groups of books:

- 1) The Drawing Of The Three, The Waste Lands, Wizard and Glass, Wolves Of The Calla, and Song of Susannah turned out to be quite similar to each other: their pairs have a degree of similarity of 0.7–0.9.
- 2) The Gunslinger, The Dark Tower, and The Wind Through The Keyhole stand apart: they are similar to each other, but are not like the rest of the books in the cycle. The Gunslinger is the very first novel in the cycle, The Dark Tower is the last, and The Wind Through the Keyhole was written after the completion of the main cycle, taking place between the end of the fourth and the beginning of the fifth books.

Novels written in co-authorship

Five novels were written in co-authorship:

- The Talisman (1984, with Peter Straub)
- Black House (2001, with Peter Straub)
- Gwendy's Button Box (2017, with Richard Chizmar)
- Sleeping Beauties (2017, with Owen King)
- Gwendy's Final Task (2022, with Richard Chizmar)

Similarity analysis has shown that:

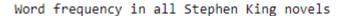
- The Talisman and Black House are different from other Stephen King books (similarity < 0.5)
- Both Gwendy novels are very similar between each other (similarity = 0.96)
- Sleeping Beauties wording looks very similar (≥ 0.85) to a variety of Stephen King books

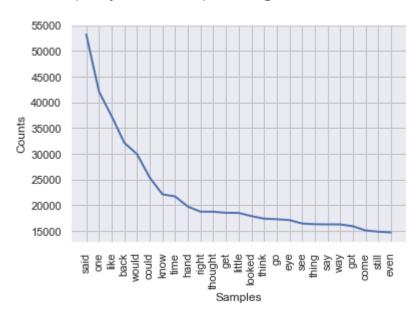
Novels similar to Sleeping Beauties

The following novels are similar to Sleeping Beauties (similarity ≥ 0.85):

Joyland (2013)	0.949744	The Wind Through The Keyhole (2012)	0.914879
Under The Dome (2009)	0.945271	The Colorado Kid (2005)	0.913519
Revival (2014)	0.938211	Cell (2006)	0.913498
The Outsider (2018)	0.935828	Billy Summers (2021)	0.911454
Bag Of Bones (1998)	0.933672	The Regulators (1996)	0.910473
Needful Things (1991)	0.928754	The Dark Tower (2004)	0.910413
Later (2021)	0.928649	Elevation (2018)	0.907241
Duma Key (2008)	0.928171	Blaze (2007)	0.895995
Doctor Sleep (2013)	0.923030	Mr Mercedes (2014)	0.887420
The Institute (2019)	0.916117	Insomnia (1994)	0.874596

Word frequency in all Stephen King novels





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