Game of Thrones
Mortality and Survival Dataset

Data Dictionary
Version 2.0

June 2019

Background

The *Game of Thrones* mortality and survival dataset (hereinafter "the dataset") was created by Dr Reidar P. Lystad and Dr Benjamin T. Brown and used in the following original research article, which was published in the journal *Injury Epidemiology* in December 2018:

> Lystad RP, Brown BT. "Death is certain, the time is not": mortality and survival in *Game of Thrones*. *Injury Epidemiology* 2018; 5: 44.

The version of the dataset used in the original research article included data from *Game of Thrones* Seasons 1–7 only, whereas the present version of the dataset includes data from *Game of Thrones* Seasons 1–8.

The dataset comprises two separate datasets: (1) a character dataset and (2) an episode dataset. The character dataset contains 359 observations (i.e. characters) and 35 variables, including information about sociodemographics, exposures, and mortality. The episode dataset contains 73 observations (i.e. episodes) and 8 variables, including information about episode running time. Please note that the character dataset only includes "important" characters. As per the original research article:

> *An important character was defined as any individual who fulfilled each of the following criteria: human; listed in either the opening or closing credits; appeared on screen during current events (i.e. excluding flashbacks); and was not already deceased when first appearing on screen. Additional non-credited characters were included if they interacted with another character in a way that was either crucial to the storyline or character development. Having a speaking role was not an essential requirement because some characters were unable to speak for medical reasons (e.g. acquired brain injury and non-elective glossectomy).*

Version history

Version	Description of change	Date of change
1.0	First draft	12-JUN-2019
1.1	Episode dataset variables added	13-JUN-2019
1.2	Background section added	13-JUN-2019
2.0	Final version	13-JUN-2019

Citation:

> Lystad RP, Brown BT. *Game of Thrones* mortality and survival dataset [Dataset]. Figshare; 2019. Available from: https://dx.doi.org/10.6084/m9.figshare.8259680

List of variables

Variables in *Game of Thrones* character dataset

id	
Variable number:	01
Description:	Unique three-digit character identification number
Representation class:	Identifier
Data type:	String

name	
Variable number:	02
Description:	Name of character
Representation class:	Identifier
Data type:	String

sex	
Variable number:	03
Description:	Sex of character
Representation class:	Code
Data type:	Number
Values:	1 = Male 2 = Female 9 = Unknown/Unclear

religion	
Variable number:	04
Description:	Religion of character at time of death/censoring
Representation class:	Code
Data type:	Number
Values:	1 = Great Stallion 2 = Lord of Light 3 = Faith of the Seven 4 = Old Gods 5 = Drowned God 6 = Many Faced God 7 = Other 9 = Unknown/Unclear

occupation	
Variable number:	05
Description:	Type of occupation of character at time of death/censoring
Representation class:	Code
Data type:	Number
Values:	1 = Silk collar 2 = Boiled leather collar 9 = Unknown/Unclear

social_status	
Variable number:	06
Description:	Social status of character at time of death/censoring
Representation class:	Code
Data type:	Number
Values:	1 = Highborn 2 = Lowborn 9 = Unknown/Unclear

allegiance_last	
Variable number:	07
Description:	Allegiance of character at time of death/censoring
Representation class:	Code
Data type:	Number
Values:	1 = Stark 2 = Targaryen 3 = Night's Watch 4 = Lannister 5 = Greyjoy 6 = Bolton 7 = Frey 8 = Other 9 = Unknown/Unclear

allegiance_switched	
Variable number:	08
Description:	Character switched allegiance during the show
Representation class:	Code
Data type:	Number
Values:	1 = No 2 = Yes 9 = Unknown/Unclear

intro_season	
Variable number:	09
Description:	Season number in which character first appeared
Representation class:	Text
Data type:	Number

intro_episode	
Variable number:	10
Description:	Episode number in which character first appeared
Representation class:	Text
Data type:	Number

intro_time_sec	
Variable number:	11
Description:	Cumulative net running time when character first appeared (seconds)
Representation class:	Time
Data type:	Time

intro_time_hrs	
Variable number:	12
Description:	Cumulative net running time when character first appeared (hours)
Representation class:	Time
Data type:	Time

dth_flag	
Variable number:	13
Description:	Flag to indicate whether character died
Representation class:	Code
Data type:	Number
Values:	0 = No 1 = Yes

dth_season	
Variable number:	14
Description:	Number of the season in which character died
Representation class:	Text
Data type:	Number
Comment:	Only applicable if [dth_flag]=1

dth_episode	
Variable number:	15
Description:	Number of the episode in which character died
Representation class:	Text
Data type:	Number
Comment:	Only applicable if [dth_flag]=1

dth_time_sec	
Variable number:	16
Description:	Cumulative net running time when character died (seconds)
Representation class:	Time
Data type:	Time
Comment:	Only applicable if [dth_flag]=1

dth_time_hrs	
Variable number:	17
Description:	Cumulative net running time when character died (hours)
Representation class:	Time
Data type:	Time
Comment:	Only applicable if [dth_flag]=1

censor_time_sec	
Variable number:	18
Description:	Cumulative net running time at censoring or death of character (seconds)
Representation class:	Time
Data type:	Time
Comment:	If [dth_flag]=0, then [censor_time_sec] equals the cumulative net running time (in seconds) of all episodes. If [dth_flag]=1, then [censor_time_sec] equals [dth_time_sec].

censor_time_hrs	
Variable number:	19
Description:	Cumulative net running time at censoring or death of character (hours)
Representation class:	Time
Data type:	Time
Comment:	If [dth_flag]=0, then [censor_time_hrs] equals the cumulative net running time (in hours) of all episodes. If [dth_flag]=1, then [censor_time_hrs] equals [dth_time_hrs].

exp_season	
Variable number:	20
Description:	Number of seasons character survived
Representation class:	Count
Data type:	Number
Comment:	Calculated as follows: [exp_season] = [dth_season] – [intro_season] + 1

exp_episode	
Variable number:	21
Description:	Number of episodes character survived
Representation class:	Count
Data type:	Number
Comment:	Calculated as follows: [exp_episode] = [dth_episode] – [intro_episode] + 1

exp_time_sec	
Variable number:	22
Description:	Survival time of character (seconds)
Representation class:	Time
Data type:	Time
Comment:	Calculated as follows: [exp_time_sec] = [censor_time_sec] – [intro_time_sec]

exp_time_hrs	
Variable number:	23
Description:	Survival time of character (hours)
Representation class:	Time
Data type:	Time
Comment:	Calculated as follows: [exp_time_hrs] = [censor_time_hrs] – [intro_time_hrs]

featured_episode_count	
Variable number:	24
Description:	Number of episodes in which character appeared
Representation class:	Count
Data type:	Number
Comment:	Appearances as a corpse only are excluded.

prominence	
Variable number:	25
Description:	Metric for the prominence of character
Representation class:	Quantity
Data type:	Number
Comment:	The metric was calculated as follows: [prominence] = ([featured_episode_count] / [exp_episode]) * [exp_season]

dth_description	
Variable number:	26
Description:	Brief free-text description of death of character
Representation class:	Text
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_dx_code	
Variable number:	27
Description:	ICD-10 principal diagnosis category code
Representation class:	Code
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_dx_text	
Variable number:	28
Description:	ICD-10 principal diagnosis category name
Representation class:	Text
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_cause_code	
Variable number:	29
Description:	ICD-10 external cause category code
Representation class:	Code
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_cause_text	
Variable number:	30
Description:	ICD-10 external cause category name
Representation class:	Text
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_place_code	
Variable number:	31
Description:	ICD-10 place of occurrence category code
Representation class:	Code
Data type:	String
Comment:	Only applicable if [dth_flag]=1

icd10_place_text	
Variable number:	32
Description:	ICD-10 place of occurrence category name
Representation class:	Text
Data type:	String
Comment:	Only applicable if [dth_flag]=1

top_location	
Variable number:	33
Description:	Topographical location where character died
Representation class:	Code
Data type:	Number
Values:	1 = Indoors 2 = Outdoors 9 = Unknown/Unclear
Comment:	Only applicable if [dth_flag]=1

geo_location	
Variable number:	34
Description:	Geographical location where character died
Representation class:	Code
Data type:	Number
Values:	1 = Westeros 2 = Essos 9 = Unknown/Unclear
Comment:	Only applicable if [dth_flag]=1

time_of_day	
Variable number:	35
Description:	Time of day when character died
Representation class:	Code
Data type:	Number
Values:	1 = Day 2 = Night 9 = Unknown/Unclear
Comment:	Only applicable if [dth_flag]=1

Variables in *Game of Thrones* episode dataset

season	
Variable number:	01
Description:	Season number
Representation class:	Text
Data type:	Number

episode_number	
Variable number:	02
Description:	Episode number
Representation class:	Text
Data type:	Number

episode_name	
Variable number:	03
Description:	Name of episode
Representation class:	Text
Data type:	String

gross_running_time	
Variable number:	04
Description:	Gross running time of episode (seconds)
Representation class:	Time
Data type:	Time

opening_credits_time	
Variable number:	05
Description:	Running time of episode opening credits (seconds)
Representation class:	Time
Data type:	Time

closing_credits_time	
Variable number:	06
Description:	Running time of episode closing credits (seconds)
Representation class:	Time
Data type:	Time

net_running_time	
Variable number:	07
Description:	Net running time of episode (seconds)
Representation class:	Time
Data type:	Time
Comment:	Calculated as follows: [net_running_time] = [gross_running_time] – [opening_credits_time] – [closing_credits_time]

cumulative_net_running_time	
Variable number:	08
Description:	Cumulative net running time of episodes (seconds)
Representation class:	Sum
Data type:	Time
Comment:	Sum of [net_running_time] of all preceding episodes