

Statistics S2

The age at death and length of reign for the Kings of England from the House of Wessex are as follows:

King	Age	Reign (Yrs)	King	Age	Reign (Yrs)
Egbert	69	37	Eadred	32	9
Æthelwulf	62	17	Edgar the Peaceful	32	16
Æthelbald	26	4	Saint Edward the Martyr	16	3
Æthelberht	30	5	Æthelred the Ill-Advised	48	37
Æthelred	34	6	Edmund Ironside	23	7 months
Alfred the Great	50	28	Saint Edward the Confessor	60	24
Edward the Elder	50	25	Harold Godwinson	46	9 months
Ælfweard	20	16 days	Edgar the Ætheling	72	2 months
Æthelstan the Glorious	44	15			
Edmund the Magnificent	25	7			

The age of Death and the length of reign for the Kings of England from the House of Plantagenet are as follows:

King	Age	Reign (Yrs)	King	Age	Reign (Yrs)
Henry II	56	35	Edward I	68	35
Henry the Young King	28	13	Edward II	43	20
Richard I (the Lionheart)	41	10	Edward III	64	50
John	49	17	Richard II	33	22
Henry III	65	56			



- Create a Stem-and-Leaf plot for the death age for the Wessex Kings.
 - What is the most common age of death?
 - What percent of Wessex Kings lived to at least 50?
- Create a Stem-and-Leaf plot for the death age of Plantagenet Kings.
 - If you were an English King and you valued life most of all, which family would you rather be from? Why?
- Create a back-to-back Stem-and-Leaf plot for the length of reign for the two sets of kings. Use 0 for kings reigning less than one year.
 - If you were an English King and you wanted to be king for a long time, which family would you rather be from? Why?
- Make a Box-and-Whisker plot for the length of reign for each set of kings. Use a decimal value for kings who reigned less than one year. (ie 3 months = $3/12 = 0.25$) Use the same axis for both plots.
 - What percent of Plantagenet Kings ruled longer than 22 years?
 - What percent of Wessex Kings ruled longer than 22 years?
 - Do you still agree with your answer to problem 3B or not? Why?