Adding Some Analytics – Assignment

Basic

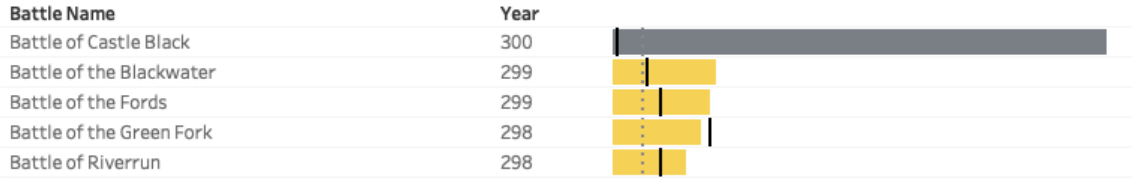
+ableau
GOLD PARTNER

We're still in the middle of the Game Of Thrones hype! Did everything always go as expected? Didn't a different King have to win a certain battle? Let's look at the numbers of these battles and do our own analysis!

Try to create the following **2** visualizations:

- Create a **bar** chart that shows the **attacker size** for each **battle name** sorted descending. The column right next to the **battle name** should show the **year** it happened. 'Winter is coming!', so try to show the season as **color** by using the field **Summer?**

  Every bar should have its own reference line showing the **defender size.** As a finishing touch, try to show the **average attacker size** as a dotted line, and show the **Attacker King** as a filter to your users.
  It should look something like this:



- Our second visualization is a **crosstab** showing the **Attacker King**, **Region**, and **Battle Name** on the rows. Next to these dimension, try to add the **Defender Size** and **Attacker Size** to make it look like this:

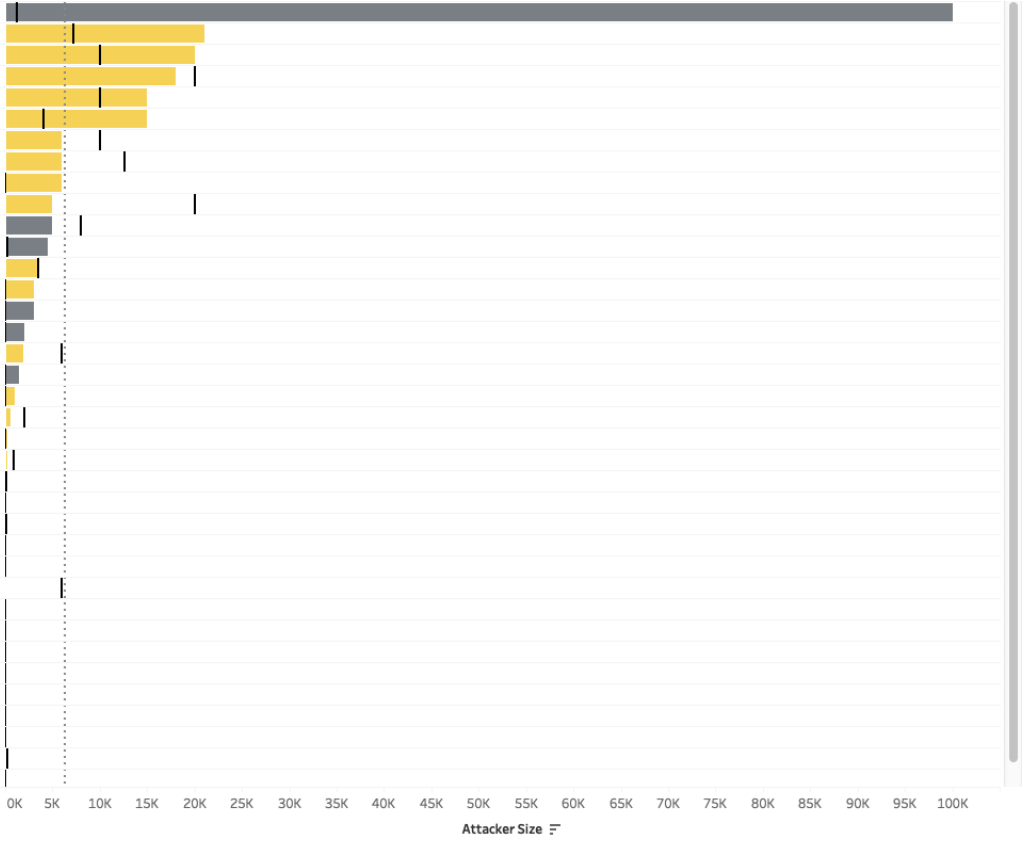
2. Details per Attacker King

Attacker King	Region	Battle Name	Attacker Size	Defender Size
Null	Total		**0**	**0**
	The Riverlands	Battle of the Burning Septry	0	0
		Sack of Saltpans	0	0
Balon/Euron Greyjoy	Total		**1,284**	**0**
	The North	Battle of Deepwood Motte	1,000	0
		Battle of Moat Cailin	0	0

To finetune our crosstab, try to add a **subtotal** for each level except **Region**. These subtotals need to be shown **on top**.

1. GoT battles with Attacker and Defender size

Battle Name	Year
Battle of Castle Black	300
Battle of the Blackwater	299
Battle of the Fords	299
Battle of the Green Fork	298
Battle of Riverrun	298
Battle of the Golden Tooth	298
Battle of Oxcross	299
Battle of the Camps	298
Battle of the Crag	299
Siege of Storm's End	299
Siege of Winterfell	300
Retaking of Deepwood Motte	300
The Red Wedding	299
Battle of Duskendale	299
Siege of Riverrun	300
Siege of Dragonstone	300
Battle of the Whispering Wood	298
Siege of Raventree	300
Battle of Deepwood Motte	299
Sack of Winterfell	299
Battle of the Stony Shore	299
Battle of Torrhen's Square	299
Sack of Harrenhal	299
Battle of Winterfell	299
Battle at the Mummer's Ford	298
Battle of Moat Cailin	299
Battle of the Burning Septry	299
Battle of the Ruby Ford	299
Battle of the Shield Islands	300
Fall of Moat Cailin	300
Invasion of Ryamsport, Vinetown, and Starfish Harbor	300
Retaking of Harrenhal	299
Sack of Darry	298
Sack of Saltpans	300
Sack of Torrhen's Square	299
Second Seige of Storm's End	300
Siege of Darry	299



Attacker King

- (All)
- Null
- Balon/Euron Greyjoy
- Joffrey/Tommen Ba...
- Robb Stark
- Stannis Baratheon

Summer?

- No
- Unknown
- Yes

2. Details per Attacker King

Attacker King	Region	Battle Name	Attacker Size	Defender Size
Null	Total		**0**	**0**
	The Riverlands	Battle of the Burning Septry	0	0
		Sack of Saltpans	0	0
Balon/Euron Greyjoy	Total		**1,284**	**0**
	The North	Battle of Deepwood Motte	1,000	0
		Battle of Moat Cailin	0	0
		Battle of the Stony Shore	264	0
		Battle of Winterfell	20	0
		Sack of Torrhen's Square	0	0
	The Reach	Battle of the Shield Islands	0	0
		Invasion of Ryamsport, Vinetown, and ..	0	0
Joffrey/Tommen Baratheon	Total		**60,618**	**35,820**
	The North	Fall of Moat Cailin	0	0
		Sack of Winterfell	618	2,000
	The Riverlands	Battle at the Mummer's Ford	0	120
		Battle of Riverrun	15,000	10,000
		Battle of the Fords	20,000	10,000
		Battle of the Ruby Ford	0	6,000
		Retaking of Harrenhal	0	0
		Sack of Darry	0	0
		Siege of Raventree	1,500	0
		Siege of Riverrun	3,000	0
		The Red Wedding	3,500	3,500
	The Stormlands	Second Seige of Storm's End	0	200
		Siege of Dragonstone	2,000	0
	The Westerlands	Battle of the Golden Tooth	15,000	4,000
Robb Stark	Total		**41,219**	**49,625**
	The Crownlands	Battle of Duskendale	3,000	0
	The North	Battle of Torrhen's Square	244	900
	The Riverlands	Battle of the Camps	6,000	12,625
		Battle of the Green Fork	18,000	20,000
		Battle of the Whispering Wood	1,875	6,000
		Sack of Harrenhal	100	100
		Siege of Darry	0	0
		Siege of Seagard	0	0
	The Westerlands	Battle of Oxcross	6,000	10,000
		Battle of the Crag	6,000	0
Stannis Baratheon	Total		**135,500**	**36,690**
	Beyond the Wall	Battle of Castle Black	100,000	1,240
	The Crownlands	Battle of the Blackwater	21,000	7,250