



# **Journey to Middle Earth**

## **- Web Scraping Lord of the Ring**

# Website Scraped

Demographic Data: [http://lotr.wikia.com/wiki/Main\\_Page](http://lotr.wikia.com/wiki/Main_Page)  
Movie Script: <http://www.ageofthering.com/atthemovies/>  
Full Text of Books: <https://archive.org/details/TheLordOfTheRing1TheFellowshipOfTheRing>

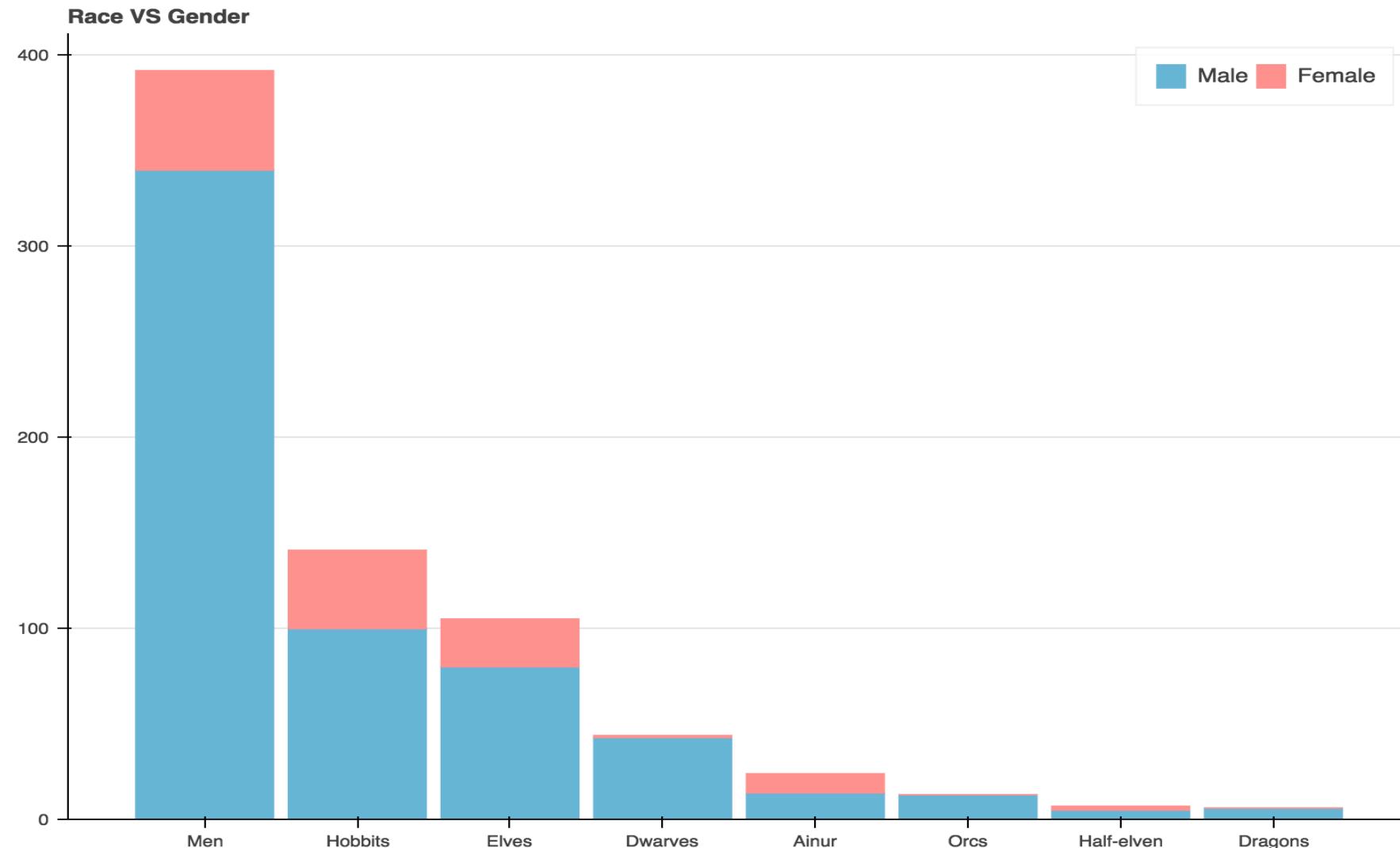
# Scraped Data

birth	death	gender	hair	height	name	race	realm	spouse
SA 700	SA 1098	Male			Tar-Aldarion	Men	Númenor	Erendis
YT, and perh	YT 1495	Male	Black		Finwë	Elves	Tirion,Forme	Míriel Serindë then ,Indis
YT 1300	FA 465	Male	Golden		Finrod	Elves		Loved ,Amarië but they never married
YT during the	FA 472	Male	Dark		Fingon	Elves	Hithlum	
YT 1190	FA 455	Male	Dark		Fingolfin	Elves	Hithlum,Bele	Anairë
TA 2950	TA 2988	Female	Dark		Finduilas of E	Men		Denethor II
First Age	FA 495	Female	Golden		Finduilas	Elves		None; betrothed to ,Gwindor, but never married.
Years of the Trees		Female			Findis	Elves		
Fourth Age	sometime af	Male			Findegil	Men		
Late ,Third Age	March 15 ,30	Male			Fastred (Pele	Men		
TA 2858	TA 2885	Male			Fastred	Men		
SR 1210		Male			Fastolph Bol	Hobbits	Shire	Pansy Baggins
TA 2560	TA 2803	Male			Farin	Dwarves		Unnamed wife
Mid ,Third Age	TA 1944	Male			Faramir (son	Men		
TA 2983	February 26	Male	Raven		Faramir	Men	Minas Ithil	Éowyn
					Cora Goodbody			
SA 3379	TA 2	Male			Ciryon	Men		Unknown, possibly known
Mid ,Second Age	After ,SA 170	Male	Black	Tall	Ciryatur	Men		
TA 820	TA 1015	Male			Ciryandil	Men	Gondor	Unnamed wife
TA 2449	TA 2567	Male			Cirion	Men		Unnamed wife
					Poppy (Chubb-Baggins) Bolger			
TA 2903	TA 2999	Male			Falco Chubb-	Hobbits		Unnamed wife
Late ,Third Age		Male			Ceorl	Men		
SA 575		Male			Cemendur (s	Men		Unnamed wife
SA 3399	TA 238	Male			Cemendur	Men	Gondor	Unnamed wife

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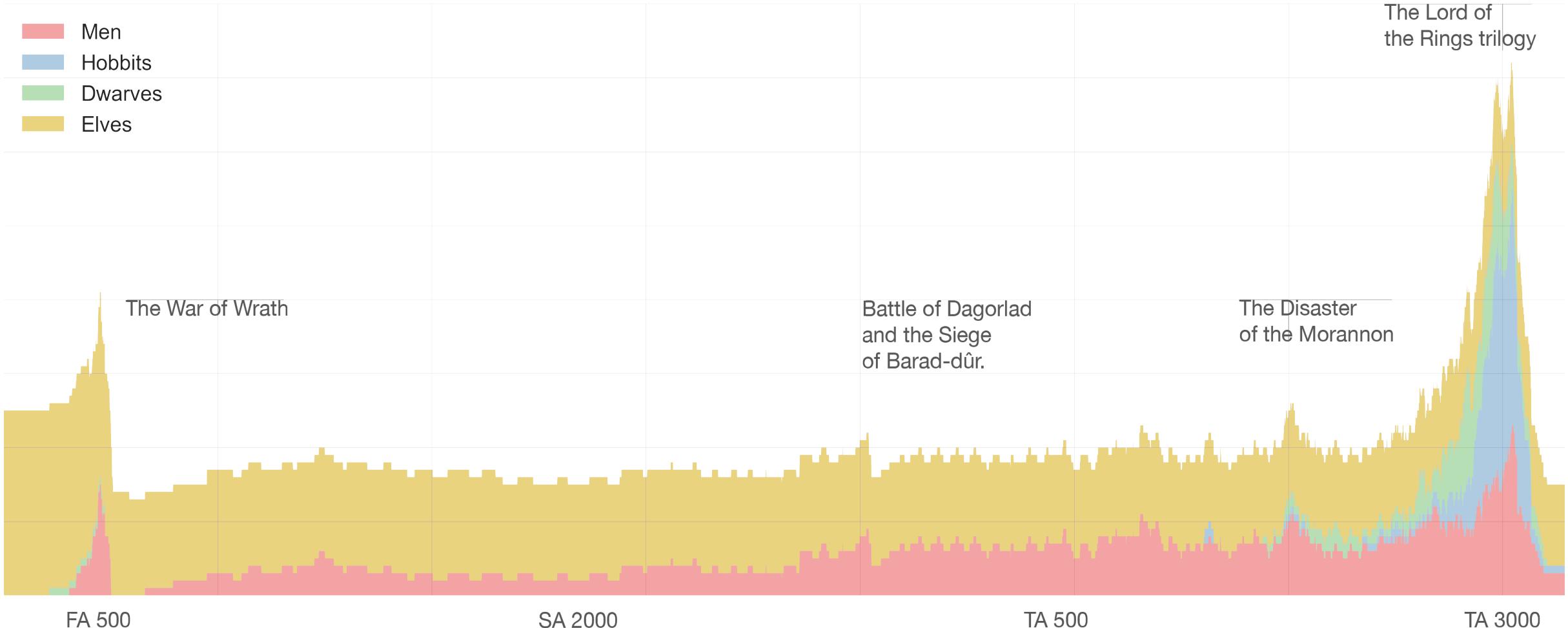
char	dialog	movie
GOLLUM	Wake up! , Wake up! ,Wake up sleepies! We must go, yes, we must go at once.	The Return of the King
SAM	Haven't you had any sleep Mr Frodo?	The Return of the King
SAM	And I've gone and had too much. , It must be getting late.	The Return of the King
FRODO	No, it isn't. It isn't midday yet. , The days are growing darker.	The Return of the King
GOLLUM	Come on! Must go! No time!	The Return of the King
SAM	Not before Mr Frodo's had something to eat.	The Return of the King
GOLLUM	No time to lose silly!	The Return of the King
SAM	Here.	The Return of the King
FRODO	What about you?	The Return of the King
SAM	Oh no, I'm not hungry, leastways not for lembas bread.	The Return of the King
FRODO	Sam!	The Return of the King
GANDALF	Now come the days of the King. May they be blessed.	The Return of the King
ARAGORN	This day does not belong to one man, but to all. Let us together rebuild this world, tha	The Return of the King
ARAGORN	Et E'rello Endoreenna ut'lien. Sinome maruvan ar Hildinyar tenn' Ambar-metta!	The Return of the King
ARAGORN	Hannon le.	The Return of the King
ARAGORN	My friends, , you bow to no-one.	The Return of the King
FRODO	,And thus it was a Fourth Age of Middle Earth began. And the Fellowship of the Ring, t	The Return of the King
FRODO	We were home.	The Return of the King
PIPPIN	Alright!	The Return of the King
HOBBIT	Hey watch the pumpkin.	The Return of the King
GAMLING	There is one passage. It leads into the mountains. But they will not get far. The Uruk-h	The Two Towers
ARAGORN	Tell the women and children to make for the mountain pass. And barricade the entrance	The Two Towers
THEODEN	Aragorn! Fall back to the Keep! Get your men out of there!,	The Two Towers
ARAGORN	Nan Barad! Nan Barad! , Haldir, nan Barad! (	The Two Towers
GIMLI	What are you doing? What are you stopping for?	The Two Towers

# Demography in Middle Earth

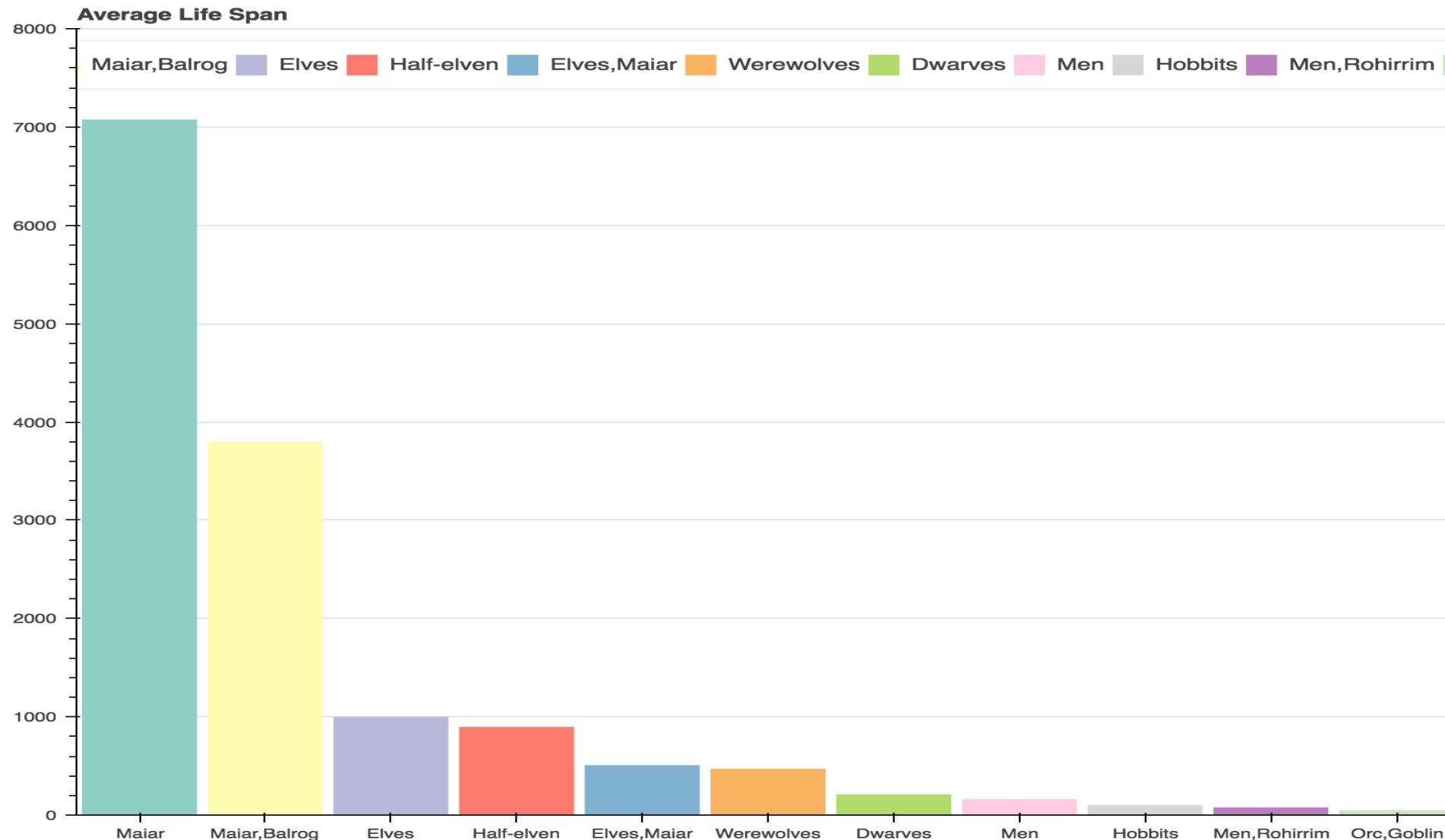


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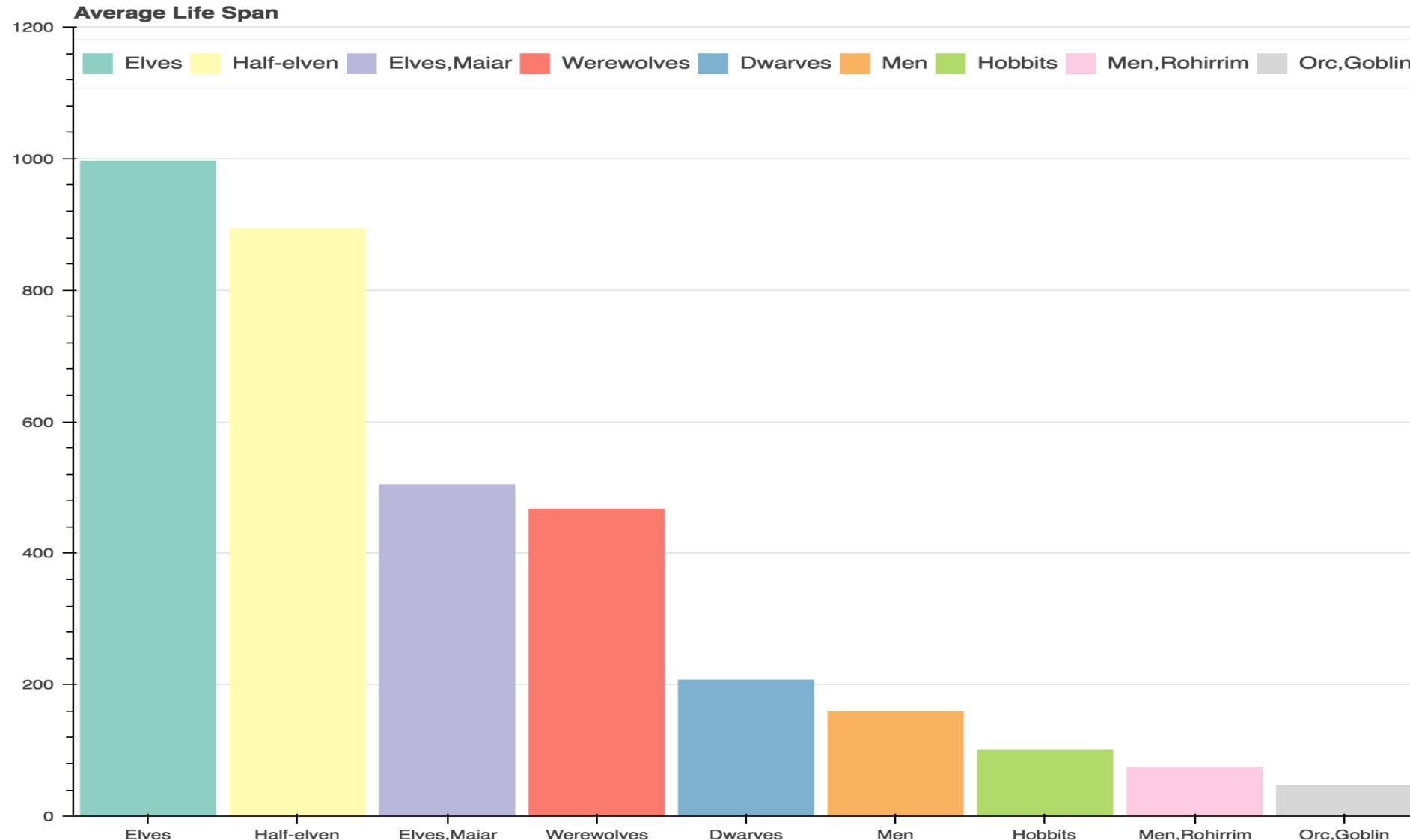
## Middle-Earth Population by Year



# Demography in Middle Earth

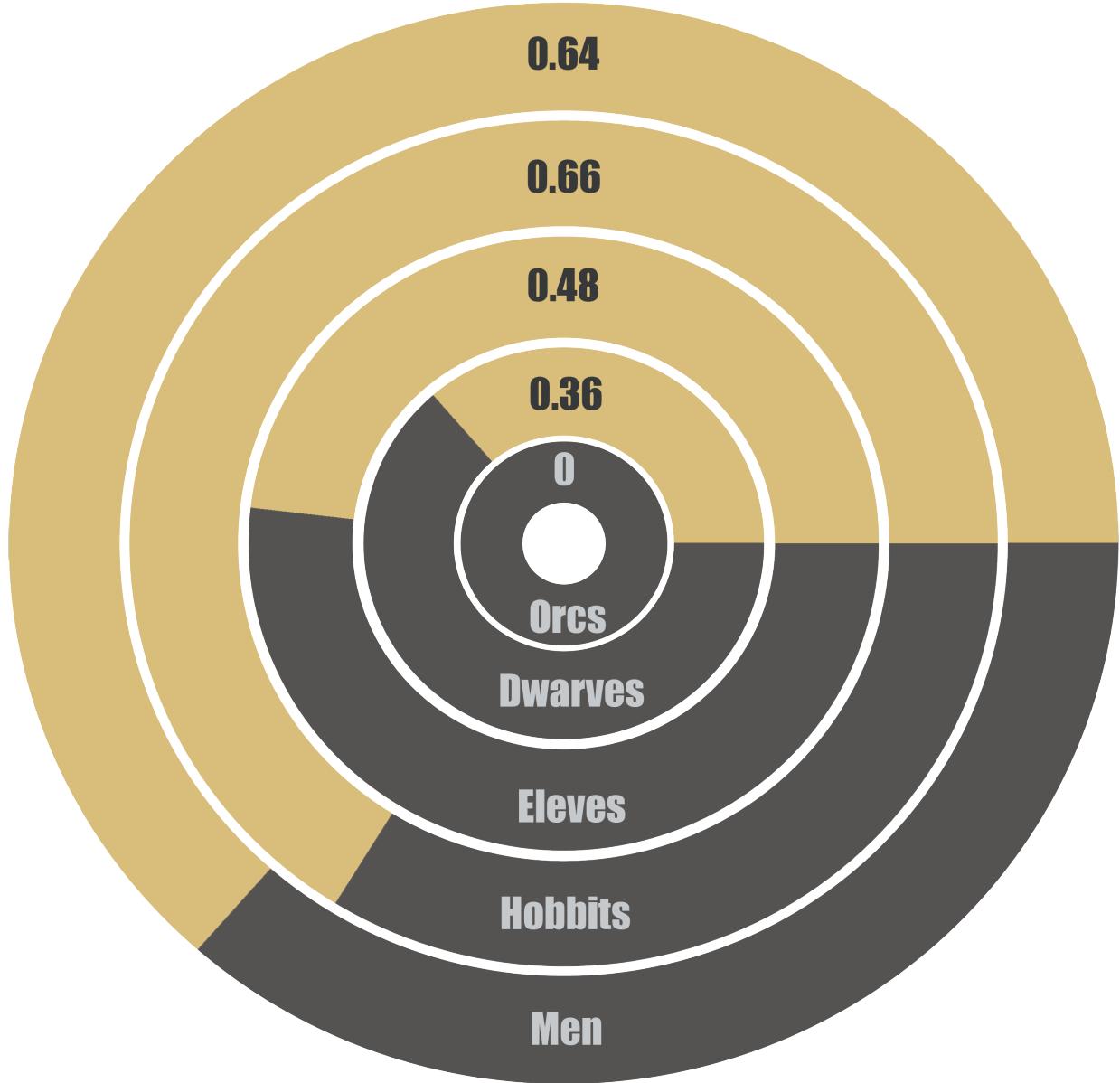


# Demography in Middle Earth



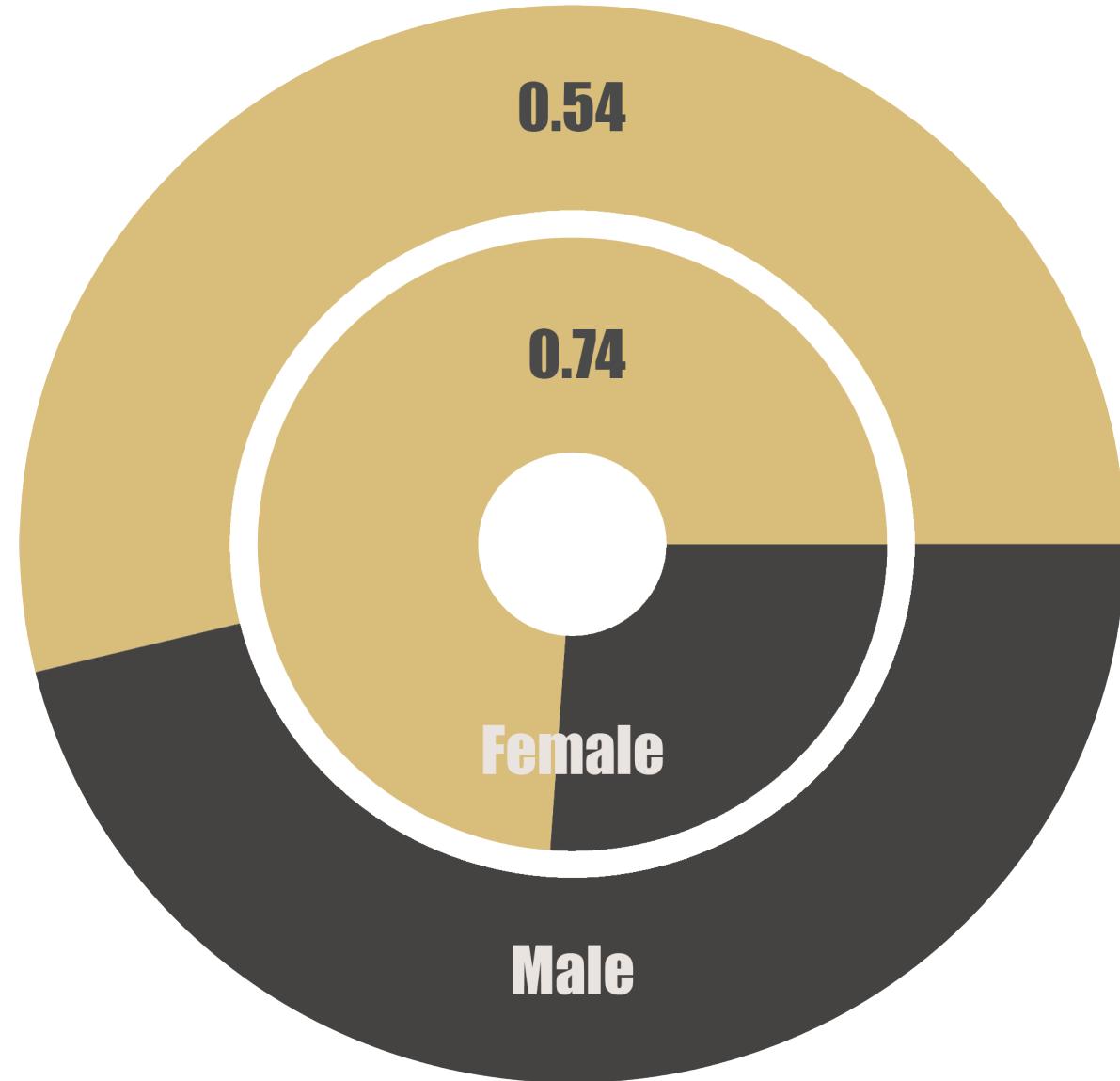
# Demography in Middle Earth

marriage Rate by Race



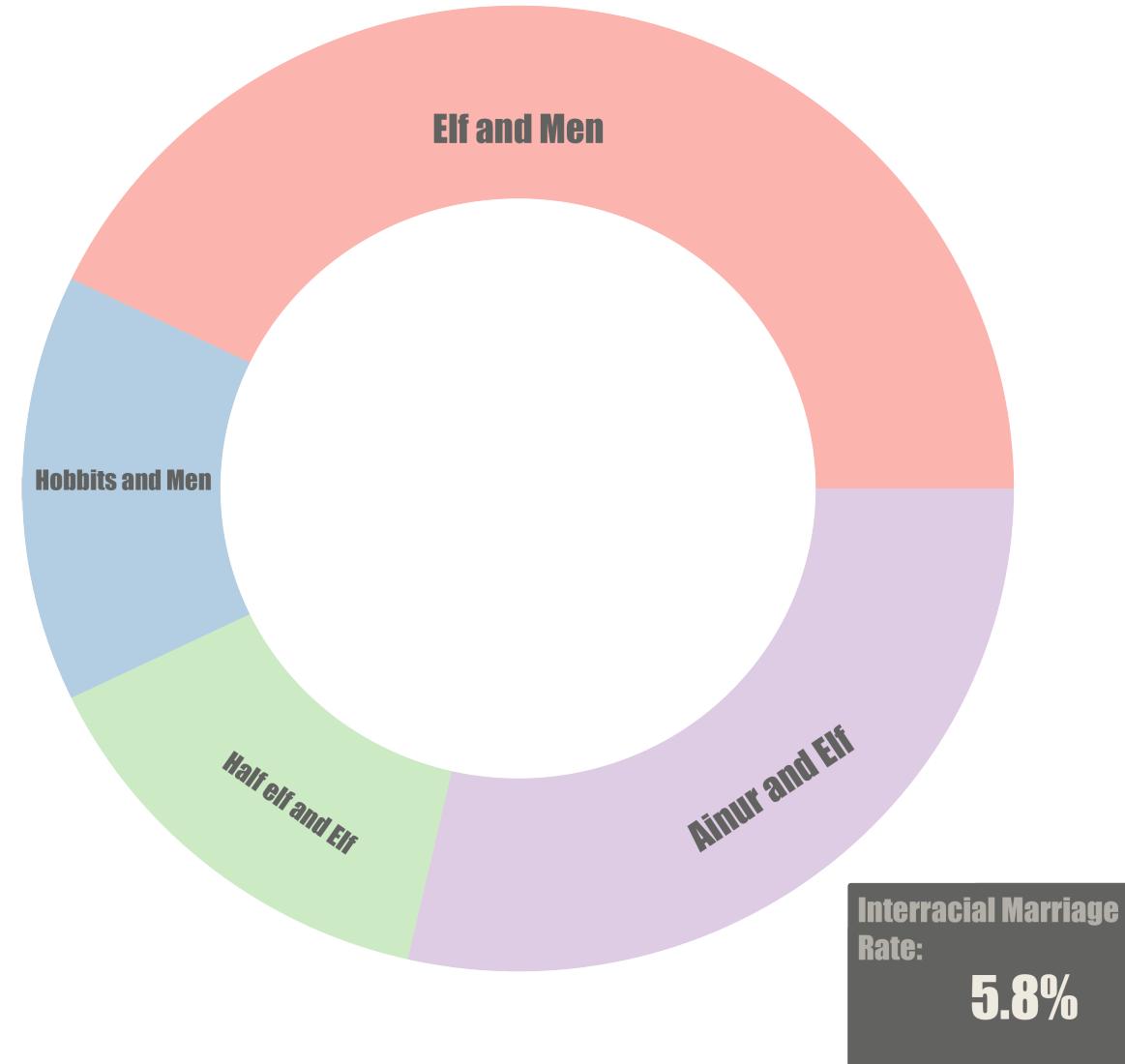
# Demography in Middle Earth

## Marriage Rate by Gender

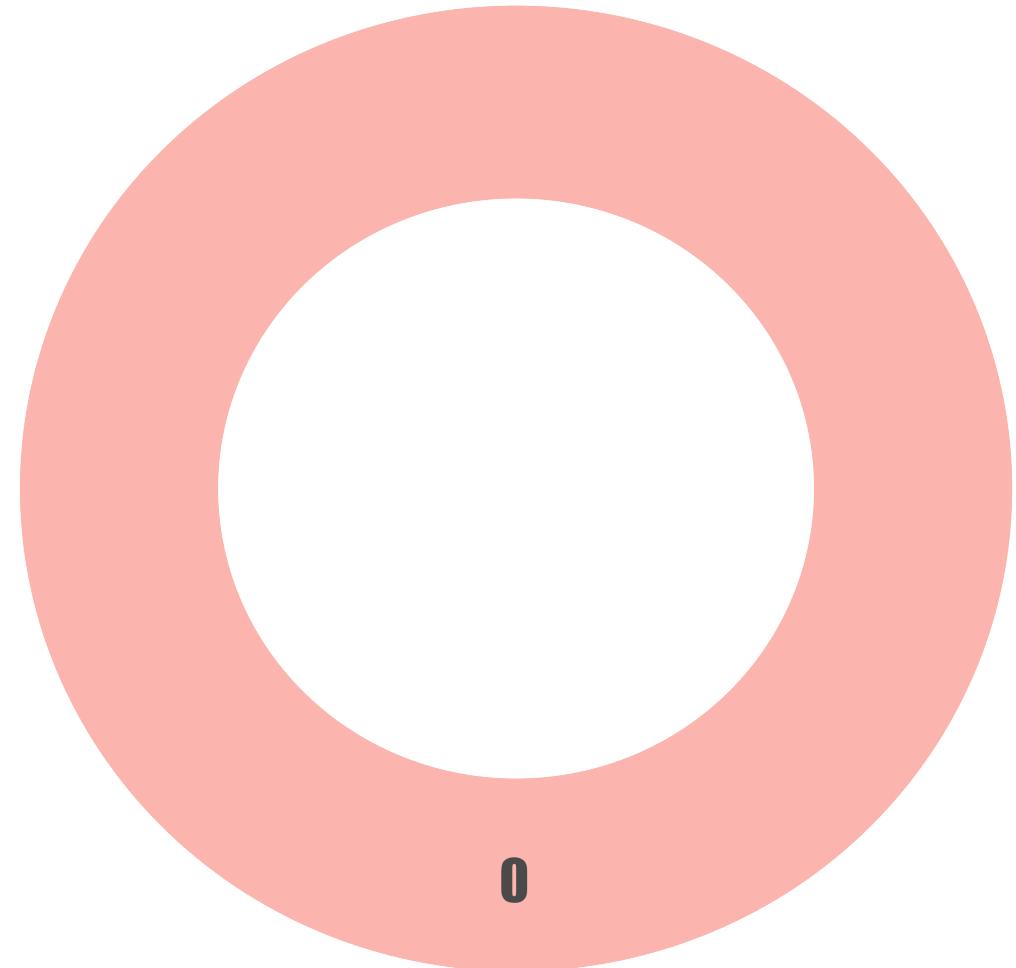


# Demography in Middle Earth

## Interracial Marriage by Race



## Homosexual Marriage Rate



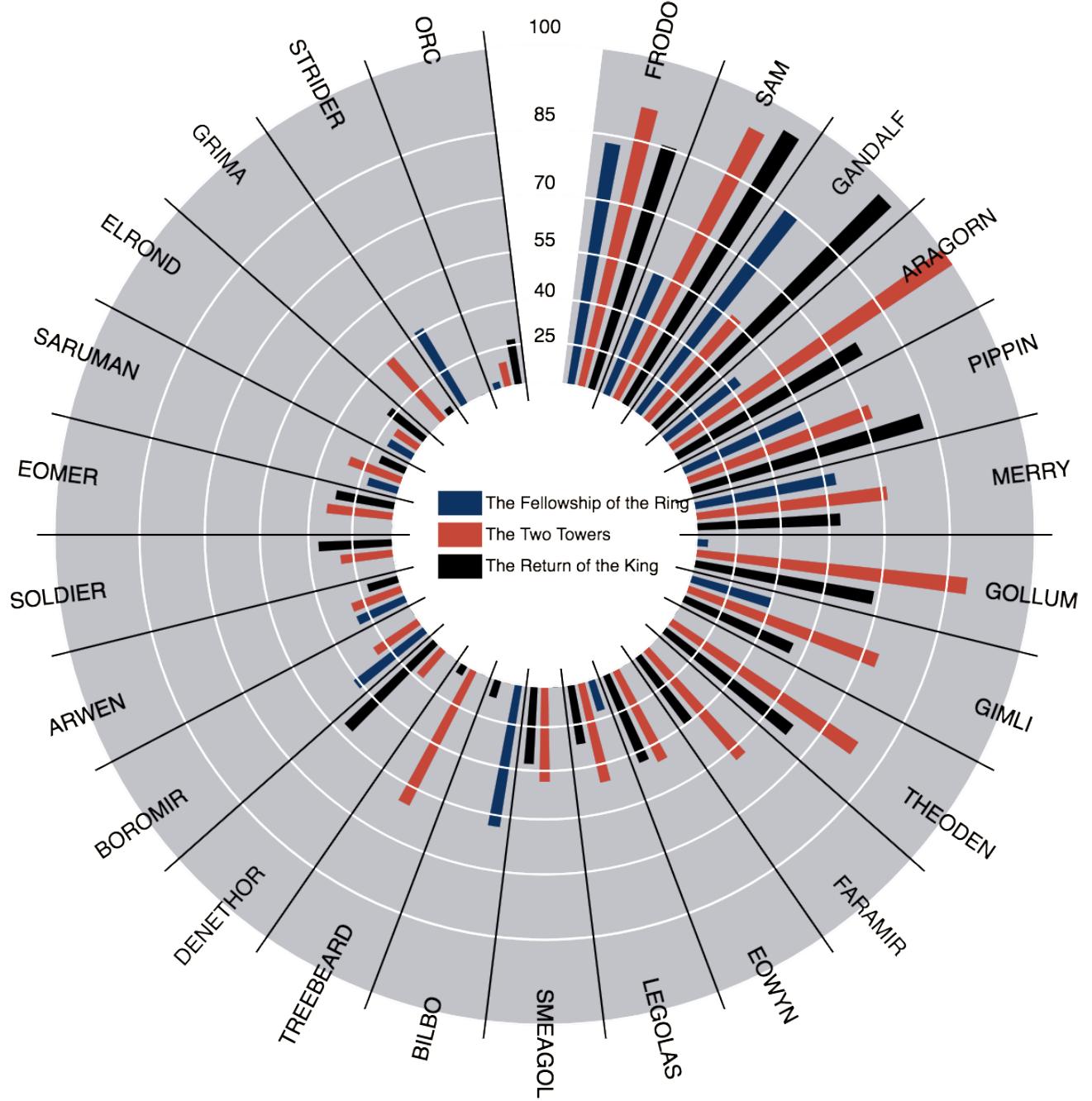
# Marriage Stability

	Spouse name	Count
186	Unnamed wife	240
185	Unnamed husband	3
66	Finwë	2
135	Nerdanel	1
126	Milo Burrows	1
127	Mimosa Bunce	1
128	Mithrellas	1

Among 1000 characters, only one character remarried

# Lord of the Ring Movie Script

Lines Count in different movie by different Characters.



# Words Spoken Frequency by Different Characters



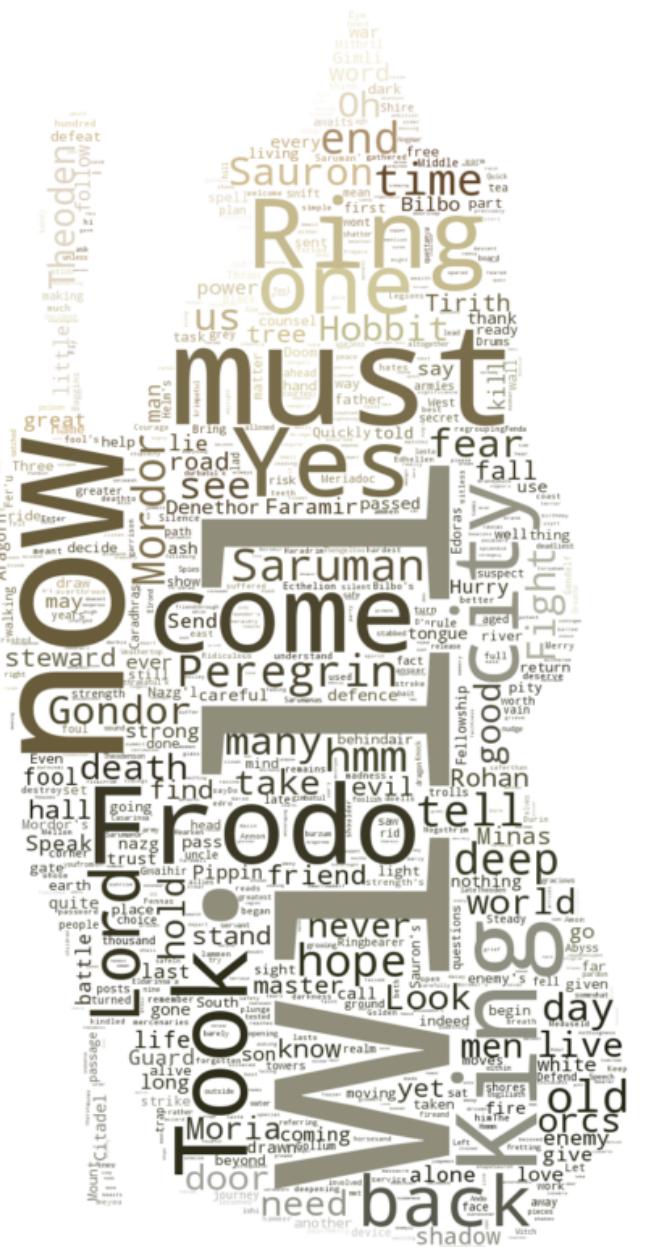
# Frodo



# Sam

# Words Spoken Frequency by Different Characters

# Gandolf



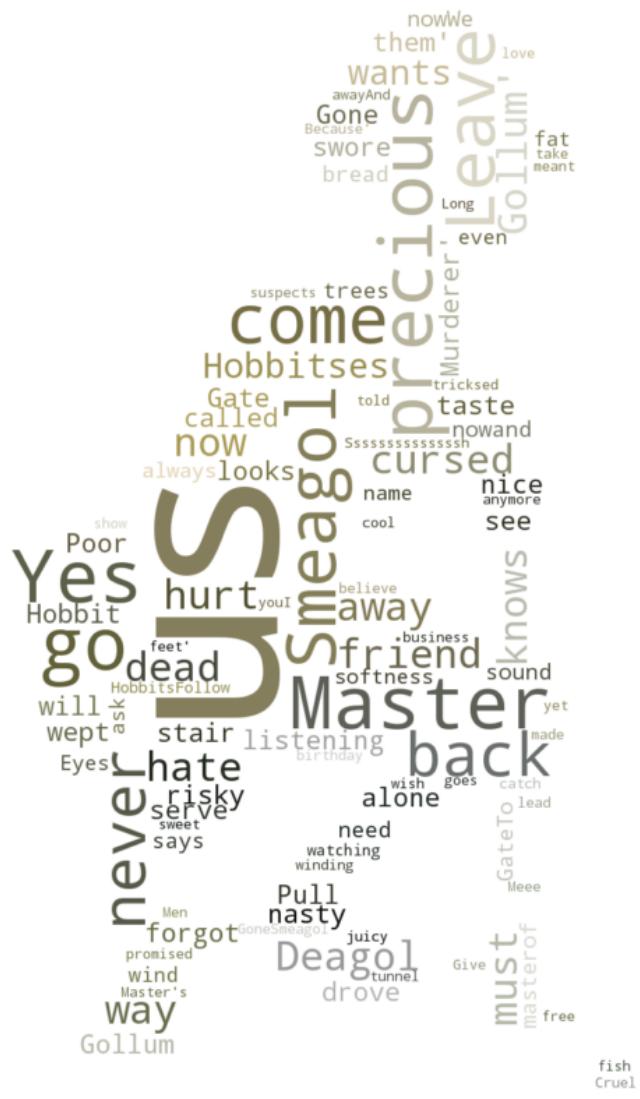
# Aragorn

# Words Spoken Frequency by Different Characters

# Gollum



# Sméagol



# Sentimental Analysis on Different Characters

FRODO: 0.0744839506173

SAM: -0.112471578947

GANDALF: -0.0254785123967

ARAGORN: 0.00400476190476

GOLLUM: 0.0263746987952

SMEAGOL: 0.09537

PIPPIN: 0.182774683544

MERRY: 0.141852173913

ARWEN: -0.00713571428571