

Top 100 Leaders Formula

$$\left[(P_A - P_B + 1) \left(\frac{1.02(P_A) + 10}{10} \right) \left(\frac{D + 4}{3} + 0.075\alpha f(1) + 0.0625\alpha f(2) + 0.05\alpha f(3) \right) + (P_H - P_B + 1) \left(\frac{1.01(P_H) + 10}{10} \right) \right] \left(\frac{1.003(I) - 0.6}{4} \right) \left(\frac{Op + 4}{5} \right) \left(1 + \frac{GB - 2.5}{12.5} \right) \left(\frac{100}{98.478231} \right)$$

Where :

P_A = Power/Trajectory after leader
 P_B = Power/Trajectory before leader
 P_H = Power/Trajectory at height of leader
 D = Duration of power after leader
 I = Impact of leader (e.g. how much of gains were actual caused by him)
 Op = Opponents' power
 GB = Good/Bad rating of leader
 $\alpha = \frac{\min(D + 6, 9)}{3}$
 $f(\beta) = \min(\max(P_A - P_B - \beta, 0), 1)$

All are rated from 0 to 5:

Levels	Power/Trajectory	Duration (at trajectory after leader or 1 worse)
0	Downward, Collapsing, Non-existent (Mongol Tribes @ 1000AD)	Collapses at Death (Alexander the Great)
1	Minor State or Deteriorating Larger (Israel before conquest of Canaan)	Collapses within 25 years (Philip the Good)
2	Medium State w/o much Power (France before Jean d'Arc)	Collapses within 50 years (Sargon of Akkad?)
3	Significant Power (US after Washington)	Collapses within 100 years (Winston Churchill—present)
4	Great Power (England before Pitt and Wellington)	Collapses within 200 years (Louis XIV)
5	Greatest in World (Persia after Cyrus)	200+ (George Washington)

Levels	Impact of Leader	Opposition Caliber
0	0% It really wasn't them (Means rating of 0)	Opposition? (Why on list?)
1	20% They helped (Insignificant leader—maybe Henry Knox)	Fragmentary (Not sure of an example)
2	40% A significant leader (Thomas Jefferson)	Small Powers (Theodore Roosevelt)
3	60% Most important in change (Charles VII of France)	Significant Powers (Abraham Lincoln)
4	80% Dominant leader, with a little help (Genghis Khan)	Great Powers (Cardinal Richelieu)
5	100% Him and him alone (Philip II of Macedon)	Greatest Power/Great Coalition (Queen Elizabeth I)

Levels	Good/Bad
0	Slaughterer, Brutal Conqueror (Genghis, Timur, Hitler)
1	Conqueror and Killer, but not Wholesale (Alexander the Great)
2	Basic Conqueror (not in the right) (Thutmose III, Frederick)
3	Good Conqueror or Basic Liberator (Cyrus the Great)
4	Champion Liberator but not Nicely (Skanderbeg, Jean d'Arc)
5	Honorable Good Leader, fighting for Right (Washington, Alfred I)