

# Humanism – Meta Frames - Proportion

Dividing things up proportionally and  
responding proportionally

Humanism Processes Supported:

1.Observe 3. Manage Issues

1.3 Frame, 1.4 Structure, 1.4 Analyze, 1.7 Hypothesize

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# Frame

Hypothesis: Choosing effective proportions can lead to ongoing human cooperative behavior

## Questions

1. Are some choices of proportion better than others?
2. What are the initial conditions for choosing more effective proportions
3. What difference does Precision and Accuracy make to choosing effective proportions

Population: Individual Humans, Groups

Measure: Supporting model for – Frame, choosing variables, Observe, Manage Issues, Agree

Assumption: Individual Humans and Groups choose what actions to take.

Information Sources and Topics: Child development, WWW - including those links provided.

Motivations: Identify bias and ignorance issues

Initial Conditions, Self reference: Choice



# Terminology

“It’s been blown out of proportion.” - Frame, Context -

<https://www.thesaurus.com/browse/blow%20out%20of%20proportion>

“What would a proportional response be?” - Analyze, Hypothesize, Test, Verify, Act –

Law [https://en.m.wikipedia.org/wiki/Proportionality\\_\(law\)](https://en.m.wikipedia.org/wiki/Proportionality_(law))

“Where’s my fair slice of the pie?” - Analyze, Hypothesize, Test, Verify - Communicate, Agree - (Sharing) - Tragedy of The Commons - Garrett Hardin

[https://en.wikipedia.org/wiki/Tragedy\\_of\\_the\\_commons](https://en.wikipedia.org/wiki/Tragedy_of_the_commons)

“Let us all take turns - be fair.” - Frame, Context, Perspective – Communicate, Agree - (Sharing) - Prisoner's dilemma

[https://en.wikipedia.org/wiki/Prisoner%27s\\_dilemma](https://en.wikipedia.org/wiki/Prisoner%27s_dilemma)

Diplomacy, Negotiation, Agreement, War – Observe, Communicate, Agree, Act

Australian Electoral [Commission](#) 2018 - Average Electorate Size = 107,557, Minimum 69,384 (35% diff) Maximum 122,758 (14% diff)



# Action Based

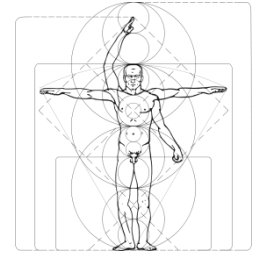
1. Urgency – queuing (queue theory [https://en.wikipedia.org/wiki/Agner\\_Krarup\\_Erlang](https://en.wikipedia.org/wiki/Agner_Krarup_Erlang)) – lining up – taking turns
2. Crisis, Immediacy – fear, flight, lack of thought
3. Delayed Gratification – expectations of the future
4. Trust (repeated fair proportions) - history
5. Respect – anticipation of good outcomes
6. Good and Bad – emerge from the common good for the Group instead of the Individual human
7. Manipulation, Tantrums, crying, violence, blackmail, extortion, corruption, stealing, malevolence
8. Successful proportions help humans survive in groups
9. Corruption, greed, individualism emerge at the opposite of sharing and fairness





Event Vitruvian Man  
Artist Leonardo da Vinci  
Asset A796973367487898000  
Copyright

# Examples of Proportions



- Vitruvian Man - [https://en.wikipedia.org/wiki/Vitruvian\\_Man](https://en.wikipedia.org/wiki/Vitruvian_Man)
- 1,1,2,3,5,8.. - Fibonacci (Leonardo of Pisa) sequence [https://en.wikipedia.org/wiki/Fibonacci\\_number](https://en.wikipedia.org/wiki/Fibonacci_number)
- 2.718 ...  $(1+1/n)^n$  Napier's, Euler's number [https://en.wikipedia.org/wiki/E\\_\(mathematical\\_constant\)](https://en.wikipedia.org/wiki/E_(mathematical_constant))
- Binet's Fibonacci number formula (uses square root of 5) - [https://en.wikipedia.org/wiki/Jacques\\_Philippe\\_Marie\\_Binet](https://en.wikipedia.org/wiki/Jacques_Philippe_Marie_Binet)
- phi  $\phi$  or  $\varphi$  – 1.618... - Golden ratio (uses square root of 5) - [https://en.wikipedia.org/wiki/Golden\\_ratio](https://en.wikipedia.org/wiki/Golden_ratio) , <https://www.goldennumber.net/beauty/> , <https://www.intmath.com/numbers/math-of-beauty.php>
- Square root of 5 = diagonal of rectangle 1,2 – (also see Srinivasa Ramanujan) ([https://en.wikipedia.org/wiki/Square\\_root\\_of\\_5#Nested\\_square\\_expansions](https://en.wikipedia.org/wiki/Square_root_of_5#Nested_square_expansions))
- x:y - Aspect Ratio 1.85:1 and 2.39:1. Two common videographic aspect ratios are 4:3 (1.33:1), the universal video format of the 20th century, and 16:9 (1.78:1) [https://en.wikipedia.org/wiki/Aspect\\_ratio\\_\(image\)](https://en.wikipedia.org/wiki/Aspect_ratio_(image))
- 1/3 - Rule of Thirds - [https://en.wikipedia.org/wiki/Rule\\_of\\_thirds](https://en.wikipedia.org/wiki/Rule_of_thirds)
- Robin Dunbar - Dunbar's number [https://en.wikipedia.org/wiki/Dunbar%27s\\_number](https://en.wikipedia.org/wiki/Dunbar%27s_number)
- 6 Degrees of separation [https://en.wikipedia.org/wiki/Frigyes\\_Karinty](https://en.wikipedia.org/wiki/Frigyes_Karinty)
- .8,.9 – Hip:Waist ratio [https://en.wikipedia.org/wiki/Waist%E2%80%93hip\\_ratio](https://en.wikipedia.org/wiki/Waist%E2%80%93hip_ratio)
- Financial , Stock Market Ratios
- Equality, Inequality – Special Reasons, Group advantage, Revenge, Corruption, Greed



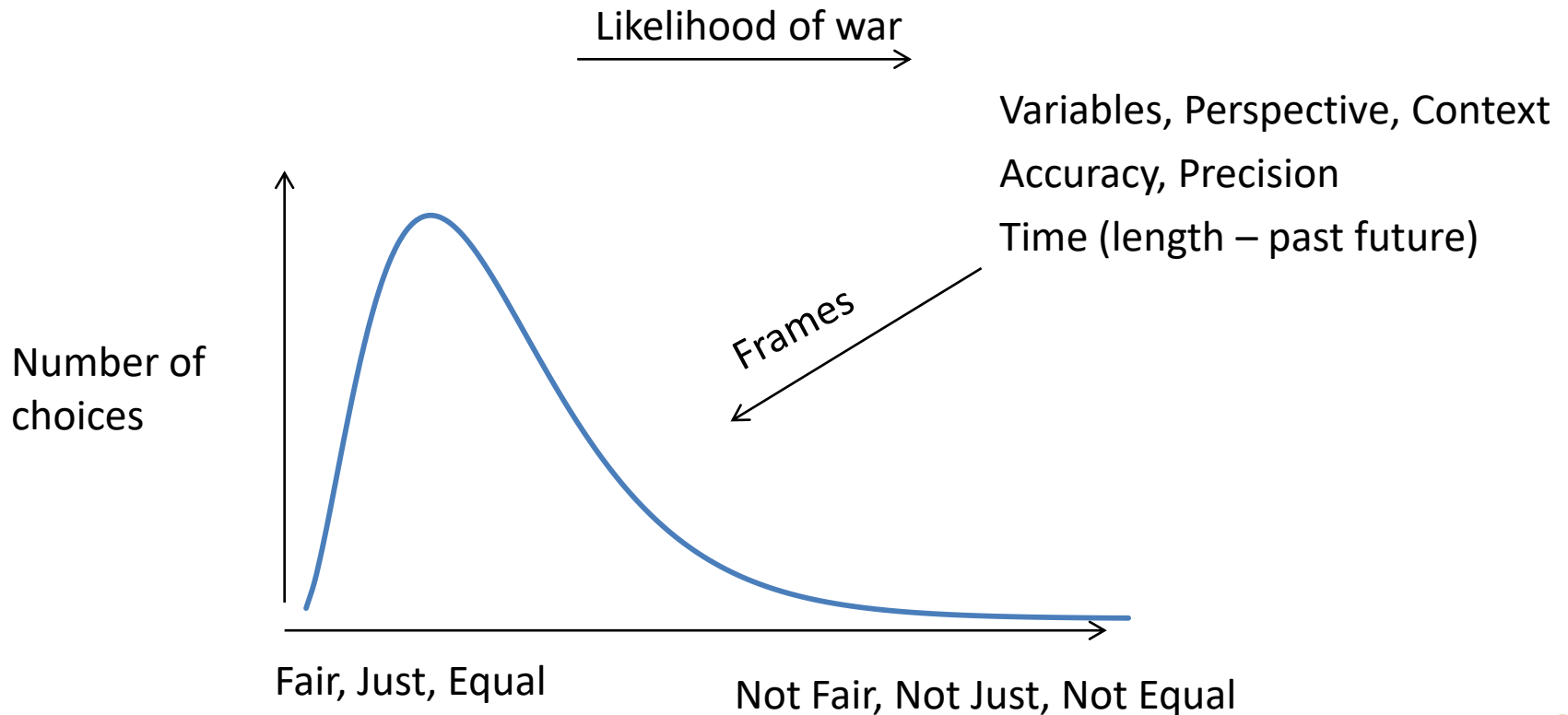
# Sharing

1. The idea of “Fair” treatment and Sharing comes from the group structure. Without “Trust” that over time sharing is done to everyone’s satisfaction then it will lead to conflict and war. This applies also to individual human interactions.
2. Along with this notion also comes – “Deserved” ‘they got what was coming to them” applies both in a “good” and “bad” sense.
3. “Just Deserts” emerges into a sense of Justice – right, wrong and the Law
4. Another emerging concept is obviously a series of events (sharing) over a period of time. Not only once instance.
5. Cooperation implies both a history and a future framework for interactions – choices.
6. “Trust” and “Respect” develop from ongoing successful cooperation. This can help when facing new challenges.



# Summary of all Choices

Hypothesis - It might look like this ?  
(maybe a Gamma Distribution 1-100,Alpha=3,Beta=8)?



# Hypothesis

1. Proportions which approach equality are more sustainable – persistent (over time and over choices) skewing one way can result in war.
2. Large Frames are better for successful proportions – narrow Context and Perspective or short time frames can lead to war. There are techniques to balance proportions and choice.
3. Too much precision and accuracy can cause a waste of resources. This needs to be decided before choosing proportions. E.g. using hands instead of a knife to make a pie into proportions.
4. Cooperation, sharing resources and effort – is a major reason for success in life. Humans have developed many frames and language for doing this successfully.
5. There are valid reasons for unequal proportions - e.g. more food to the group hunters who expend more energy. It is a complex topic. Justifying unequal proportions is the main area for corrupt behavior by humans.





# Additional References

- Economics – “An Inquiry into the Nature and Causes of the Wealth of Nations by Adam Smith” (Opulence, Cities, Labour) Adam Smith <http://www.gutenberg.org/cache/epub/3300/pg3300.txt>
- Elinor Ostrom [https://en.wikipedia.org/wiki/Elinor\\_Ostrom](https://en.wikipedia.org/wiki/Elinor_Ostrom) , Public Choice Economics
- Pareto efficiency [https://en.wikipedia.org/wiki/Pareto\\_efficiency](https://en.wikipedia.org/wiki/Pareto_efficiency)
- Kenneth Arrow’s Impossibility Theorem [https://en.wikipedia.org/wiki/Arrow%27s\\_impossibility\\_theorem](https://en.wikipedia.org/wiki/Arrow%27s_impossibility_theorem)  
<http://www.socialchoiceandbeyond.com/scabpage42.html>
- Social choice and beyond (blog - John C Lawrence) <http://www.socialchoiceandbeyond.com>
- Un Sustainable Development Goals <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>
- Judgement of Solomon – cutting a baby in half - [https://en.wikipedia.org/wiki/Judgment\\_of\\_Solomon](https://en.wikipedia.org/wiki/Judgment_of_Solomon)
- Divide and Choose - Bible - Genesis Chapter 13 [https://en.wikipedia.org/wiki/Divide\\_and\\_choose](https://en.wikipedia.org/wiki/Divide_and_choose)
- Corruption , Transparency international <https://www.transparency.org/>
- United Nations Convention Against Corruption  
[https://www.unodc.org/unodc/en/corruption/tools\\_and\\_publications/UN-convention-against-corruption.html](https://www.unodc.org/unodc/en/corruption/tools_and_publications/UN-convention-against-corruption.html)
- Club of Rome, A Comparison of the Limits to Growth with Thirty Years of Reality, Graham M Turner (CSIRO)  
<https://ideas.repec.org/p/cse/wpaper/2008-09.html>
- The Humanist Frame "onset of the passage from the psychosocial to the consciously purposive phase of evolution" - Julian Huxley  
[https://archive.org/stream/humanistframe017703mbp/humanistframe017703mbp\\_djvu.txt](https://archive.org/stream/humanistframe017703mbp/humanistframe017703mbp_djvu.txt)
- Association of World Citizens <http://www.worldcitizensunited.org/>
- The influence of social relationship on food tolerance in wolves and dogs - Rachel Dale, Friederike Range, Laura Stott, Kurt Kotrschal, Sarah Marshall-Pescini <https://link.springer.com/article/10.1007/s00265-017-2339-8>