

Welcome to the moral trade surplus calculator! This is the basic version. Other tabs have more in-depth versions to cover other scenarios.

Worldview	Nonhuman-Centered		Human-Centered	
Top Intervention	Corporate campaign for slower growing chicken breed (Purdue)		Intecticide treated bednets/decarbonizing concrete	
Cost-Effectiveness of Top Intervention (Bar)	1		1	
Alternative Intervention	Corporate campaign for slower growing chicken breed (JBS)		Corporate campaign for slower growing chicken breed (JBS)	
Relative Cost-Effectiveness of Alt Intervention/% willing to fund	0.92		0.12	
Surplus-Generating Terms of Trade	0.88	0.92	0.08	0.12
Median Trade	0.90		0.10	
Leverage Factor	1.09		8.33	
Moral Value from 100% to Top Intervention	1.00		1.00	
Moral Value from 100% to Alternative Intervention (no trade)	0.92		0.12	
Moral Value from part to top and part to alt (with median trade)	1.02		1.02	
Percent increase in moral value from trade	2.00		2.00	
Alternative Intervention	Funding GFI		Funding GFI	
Relative Cost-Effectiveness of Alt Intervention/% willing to fund	0.95		0.95	
Surplus-Generating Terms of Trade	0.05	0.95	0.05	0.95
Median Trade	0.5		0.5	
Leverage Factor	1.05		1.05	
Moral Value from 100% to Top Intervention	1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.95		0.95	
Moral Value from part to top and part to alt (with median trade)	1.45		1.45	
Percent increase in moral value from trade	45		45	

This version includes the relative cost-effectiveness of the other worldview's top intervention instead of assuming that it's zero. The relative cost effectiveness of the alternative intervention is no longer equal to the per

Worldview	Nonhuman-Centered		Human-Centered	
Top Intervention	Corporate campaign for slower growing chicken breed (Purdue)		Intecticide treated bednets/decarbonizing concrete	
Cost-Effectiveness of Top Intervention (Bar)	1		1	
Alternative Intervention	Corporate campaign for slower growing chicken breed (JBS)		Corporate campaign for slower growing chicken breed (JBS)	
Relative Cost-Effectiveness of Alt Intervention	0.92		0.12	
Relative Cost-Effectiveness of other worldview's top intervention	0.01		0.01	
Percent willingness to fund	0.91		0.11	
Surplus-Generating Terms of Trade	0.89	0.91	0.09	0.11
Median Trade	0.9		0.1	
Leverage Factor	1.10		9.09	
Moral Value from 100% to Top Intervention	1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.91		0.11	
Moral Value from part to top and part to alt (with median trade)	1.01		1.01	
Percent increase in moral value from trade	1		1	
Alternative Intervention	Funding GFI		Funding GFI	
Relative Cost-Effectiveness of Alt Intervention	0.95		0.95	
Relative Cost-Effectiveness of other worldview's top intervention	0.01		-0.02	
Percent willingness to fund	0.94		0.97	
Surplus-Generating Terms of Trade	0.03	0.94	0.06	0.97
Median Trade	0.485		0.515	
Leverage Factor	1.06		1.03	
Moral Value from 100% to Top Intervention	1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.94		0.97	
Moral Value from part to top and part to alt (with median trade)	1.455		1.455	
Percent increase in moral value from trade	45.5		45.5	

This version adds another worldview into the trade.						
Worldview	Nonhuman-Centered		Human-Centered		Longtermist	
Top Intervention	Corporate campaign for slower growing chickens		Intecticide treated bednets/decarbonizing coal		International biosecurity policy	
Cost-Effectiveness of Top Intervention (Bar)	1		1		1	
Alternative Intervention	GFI		GFI		GFI	
Relative Cost-Effectiveness of Alt Intervention	0.92		0.12		0.1	
Relative Cost-Effectiveness of other worldview's top intervention	0.01		0.01		0.01	
Percent willingness to fund	0.91		0.11		0.09	
Surplus-Generating Terms of Trade	0.8	0.91	0	0.11	-0.02	0.09
Median Trade	0.855		0.055		0.035	
Leverage Factor	1.10		9.09		11.11111111	
Moral Value from 100% to Top Intervention	1		1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.91		0.11		0.09	
Moral Value from part to top and part to alt (with median trade)	1.055		1.055		1.055	
Percent increase in moral value from trade	5.5		5.5		5.5	
Alternative Intervention	GFI		GFI		GFI	
Relative Cost-Effectiveness of Alt Intervention	0.92		0.12		0.7	
Relative Cost-Effectiveness of other worldview's top intervention	0.01		0.01		0.01	
Percent willingness to fund	0.91		0.11		0.69	
Surplus-Generating Terms of Trade	0.2	0.91	-0.6	0.11	-0.02	0.69
Median Trade	0.555		-0.245		0.335	
Leverage Factor	1.10		9.09		1.449275362	
Moral Value from 100% to Top Intervention	1		1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.91		0.11		0.69	
Moral Value from part to top and part to alt (with median trade)	1.355		1.355		1.355	
Percent increase in moral value from trade	35.5		35.5		35.5	

This version includes includes each worldview's estimate of each intervention under both worldviews. It assumes equal budgets for both worldviews.												
Worldview	Nonhuman-Centered						Human-Centered					
Top Intervention	Corporate campaign for slower growing chicken breed (Purdue)						Intecticide treated bednets/decarbonizing concrete					
Cost-Effectiveness of Top Intervention (Bar)	1						1					
Alternative Intervention	Corporate campaign for slower growing chicken breed (JBS)						Corporate campaign for slower growing chicken breed (JBS)					
	NC estimate from NC worldview			HC estimate from NC worldview			NC estimate from HC worldview			HC estimate from HC worldview		
Relative Cost-Effectiveness of Alt Intervention	0.92			0.95			0.15			0.12		
Relative Cost-Effectiveness of other worldview's top intervention	0.01			0.02			0.02			0.01		
Percent willingness to fund	0.91			0.93			0.13			0.11		
Surplus-Generating Terms of Trade	0.87	0.89	0.91	0.89	0.91	0.93	0.09	0.11	0.13	0.07	0.09	0.11
Agreed Surplus-Generating Terms	0.89	0.90	0.91				0.09	0.10	0.11			
Leverage Factor	1.15	1.12	1.10	1.12	1.10	1.08	11.11	9.40	7.69	14.29	11.69	9.09
Moral Value from 100% to Top Intervention	1.00			1.00			1.00			1.00		
Moral Value from 100% to Alternative Intervention (no trade)	0.93			0.97			0.17			0.13		
Moral Value from part to top and part to alt	1.06	1.04	1.02	1.08	1.06	1.00	1.06	1.04	1.02	1.05	1.03	1.01
Percent increase in moral value from trade	5.87	3.89	1.91	7.78	5.82	-0.07	6.18	4.22	2.26	5.07	3.09	1.11

This version includes includes each worldview's estimate of each intervention under both worldviews. Add a line for budgets to get rid of equal budget assumption? More lines for cost-effectiveness of other interve												
Worldview	Nonhuman-Centered					Human-Centered						
Budget	\$1,000,000.00					\$1,000,000.00						
Top Intervention	Corporate campaign for slower growing chicken breed (Purdue)					Intecticide treated bednets/decarbonizing concrete						
Cost-Effectiveness of Top Intervention (Bar)	1					1						
Alternative Intervention	Corporate campaign for slower growing chicken breed (JBS)					Corporate campaign for slower growing chicken breed (JBS)						
Room for funding of alt intervention at max cost-effectiveness	\$100,000.00					\$100,000.00						
	NC estimate from NC worldview			HC estimate from NC worldview			NC estimate from HC worldview			HC estimate from HC worldview		
Relative Cost-Effectiveness of Alt Intervention	0.92			0.95			0.15			0.12		
Relative Cost-Effectiveness of other worldview's top intervention	0.01			0.02			0.02			0.01		
Percent willingness to fund	0.91			0.93			0.13			0.11		
Surplus-Generating Terms of Trade	0.87	0.89	0.91	0.89	0.91	0.93	0.09	0.11	0.13	0.07	0.09	0.11
Agreed Surplus-Generating Terms	0.89	0.90	0.91				0.09	0.10	0.11			
Leverage Factor	1.15	1.12	1.10	1.12	1.10	1.08	11.11	9.40	7.69	14.29	11.69	9.09
Moral Value from 100% to Top Intervention	1.00			1.00			1.00			1.00		
Moral Value from 100% to Alternative Intervention (no trade)	0.93			0.97			0.17			0.13		
Moral Value from part to top and part to alt	1.06	1.04	1.02	1.08	1.06	1.00	1.06	1.04	1.02	1.05	1.03	1.01
Percent increase in moral value from trade	5.87	3.89	1.91	7.78	5.82	-0.07	6.18	4.22	2.26	5.07	3.09	1.11
How to deal with fact that budget may be below room for funding? Is coding necessary or can I do it with a function?												

This version includes the relative cost-effectiveness of the other worldview's top intervention instead of assuming that it's zero. The relative cost effectiveness of the alternative intervention is no longer equal to the percent increase in moral value from trade.				
Worldview	Nonhuman-Centered		Human-Centered	
Top Intervention	Cage-free corporate campaign (THL)		Decarbonizing concrete (Industrious Labs)	
Cost-Effectiveness of Top Intervention (Bar)	1		1	
Alternative Intervention	Alternative protein research (GFI)		Alternative protein research (GFI)	
Relative Cost-Effectiveness of Alt Intervention	0.99		0.99	
Relative Cost-Effectiveness of other worldview's top intervention	0		0	
Percent willingness to fund	0.99		0.99	
Surplus-Generating Terms of Trade	0.01	0.99	0.01	0.99
Median Trade	0.5		0.5	
Leverage Factor	1.01		1.01	
Moral Value from 100% to Top Intervention	1		1	
Moral Value from 100% to Alternative Intervention (no trade)	0.99		0.99	
Moral Value from part to top and part to alt (with median trade)	1.49		1.49	
Percent increase in moral value from trade	49		49	
Percent increase in moral value from reallocated funds	98		98	

Worldview	Randomista Global Health	Risk-Taking Global Health Nonhuman Animal	Longtermist (Human-Foc	Longtermist (Nonhuman-Focused)
Actors with Worldview	EA Funds Global Health and	EA Funds Global Health and Development Fund, GiveWell All Grants Fund		
[Top Opportunity] Alternative Proteins Research (GFI)	0.01	0.01	0.95	0.01
Corporate Cage-Free Campaign				0.95
GiveWell All Grants Fund	1		0.01	0.01
[Top Opportunity] EA Community Building (very project-dependent)	0.1		0.1	0.9