Norway

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Fairness and the Development of Inequality Acceptance

Study Documentation

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Fairness and the Development of Inequality Acceptance

Overview

Identification	mmskole

Abstract
Inequality in payments may be seen as inherently unfair, or as appropriate when it reflects differential achievement. Using an economic exchange game, Almås et al. (p. 1176) mapped how judgments changed from 5th-grade students to 13th graders: Fifth graders expressed a preference for equal division of rewards, whereas the 13th graders tolerated unequal outcomes, as long as they had been provided with evidence of unequal inputs. That is, the younger children were strict egalitarians, but the older ones—perhaps as a consequence of exposure to a variety of achievement-based social activities, such as sports—tended toward meritocracy.

The data was collected in 2007.

Unit of Analysis	Individuals and decisions made by individuals

Scope & Coverage

Keywords	inequality, fairness
Countries	Norway

Geographic Coverage
Bergen, Norway

Universe
School children 5th to 13th grade in Bergen, Norway.

Producers & Sponsors

Primary Investigator(s)	Almås, Ingvild, NHH Norwegian School of Economics Cappelen, Alexander W., NHH Norwegian School of Economics Sørensen, Erik Ø., NHH Norwegian School of Economics Tungodden, Bertil, NHH Norwegian School of Economics

Sampling

Sampling Procedure
Random selection of schools in Bergen at each grade level included in the experiment.

Weighting
None

Data Collection

Data Collection Mode	Lab experiment, web interface.

Files Description

Dataset contains 3 file(s)

mmskole_players	
# Cases	486
# Variable(s)	7
File Structure	Type: relational Key(s): pid (Non-informative id of participant. Links to other files.)

mmskole_situations1	
# Cases	2362
# Variable(s)	11
File Structure	Type: relational

mmskole_situations2	
# Cases	1868
# Variable(s)	5
File Structure	Type: relational

Variables List

Dataset contains 23 variable(s)

File mmskole_players

#	Name	Label	Type	Format	Valid	Invalid	Question
1	pid	Non-informative id of participant. Links to other files.	continuous	numeric-3.0	486	0	-
2	time	Number of minutes spent on production task.	continuous	numeric-2.0	486	0	-
3	price	Price per point for decision maker (NOK/points).	continuous	numeric-17.0	486	0	-
4	prod	Number of points produced.	continuous	numeric-3.0	486	0	-
5	intprod	Rounded number of points produced (used for payments).	continuous	numeric-3.0	486	0	-
6	sex	Gender, coded 1:male, 2:female	discrete	numeric-1.0	486	0	-
7	gradelevel	Gradelevel of participants. One of 5, 7, 9, 11, 13.	discrete	numeric-2.0	486	0	-

File mmskole_situations1

#	Name	Label	Type	Format	Valid	Invalid	Question
1	pid	Non-informative id of participant.	continuous	numeric-3.0	2362	0	-
2	fnr	Sequence-number of situation for individual.	discrete	numeric-1.0	2362	0	-
3	prod	Production of decision maker (in points).	continuous	numeric-3.0	2362	0	-
4	minutes	Minutes worked by decision maker.	continuous	numeric-2.0	2362	0	-
5	price	Price per point for decision maker (NOK/points).	continuous	numeric-17.0	2362	0	-
6	value	Production value for decision maker (in NOK).	continuous	numeric-3.0	2362	0	-
7	opp_prod	Anonymous opponent's production (in points).	continuous	numeric-3.0	2362	0	-
8	opp_minu ..	Anonymous opponent's minutes worked.	continuous	numeric-2.0	2362	0	-
9	opp_price	Production value for anonymous opponent (in NOK).	continuous	numeric-17.0	2362	0	-
10	opp_value	Production value for anonymous opponent (in NOK).	continuous	numeric-3.0	2362	0	-
11	y	Money demanded by decision maker for self.	continuous	numeric-3.0	2362	0	-

File mmskole_situations2

#	Name	Label	Type	Format	Valid	Invalid	Question
1	pid	Non-informative id of participant.	continuous	numeric-3.0	1868	0	-
2	fnr	Sequence-number of situation for individual.	discrete	numeric-1.0	1868	0	-
3	points	Points to distribute. Worth 1 NOK/point to self.	continuous	numeric-3.0	1868	0	-
4	mult	Multiplier on points allocated to other participant.	discrete	numeric-1.0	1868	0	-
5	y	Money demanded by decision maker for self.	continuous	numeric-3.0	1868	0	-

Variables Description

Dataset contains 23 variable(s)

File : mmskole_players

pid: Non-informative id of participant. Links to other files.

Information	[Type= continuous] [Format=numeric] [Range= 101-639] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-] [Mean=363.613 /-] [StdDev=155.781 /-]

time: Number of minutes spent on production task.

Information	[Type= continuous] [Format=numeric] [Range= 0-45] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-] [Mean=41.893 /-] [StdDev=6.408 /-]

price: Price per point for decision maker (NOK/points).

Information	[Type= continuous] [Format=numeric] [Range= 0.200000002980232-0.400000005960464] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-] [Mean=0.303 /-] [StdDev=0.1 /-]

prod: Number of points produced.

Information	[Type= continuous] [Format=numeric] [Range= 0-890] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-] [Mean=325.72 /-] [StdDev=120.737 /-]

intprod: Rounded number of points produced (used for payments).

Information	[Type= continuous] [Format=numeric] [Range= 0-900] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-] [Mean=350.103 /-] [StdDev=121.947 /-]

sex: Gender, coded 1:male, 2:female

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	male	231	47.5%
2	female	255	52.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

gradelevel: Gradelevel of participants. One of 5, 7, 9, 11, 13.

Information	[Type= discrete] [Format=numeric] [Range= 5-13] [Missing=*]
Statistics [NW/ W]	[Valid=486 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
5		104	21.4%
7		107	22.0%
9		93	19.1%
11		97	20.0%
13		85	17.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : mmskole_situations1

pid: Non-informative id of participant.

Information	[Type= continuous] [Format=numeric] [Range= 101-639] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=362.199 /-] [StdDev=155.617 /-]

fnr: Sequence-number of situation for individual.

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1		486	20.6%
2		486	20.6%
3		480	20.3%
4		460	19.5%
5		450	19.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

prod: Production of decision maker (in points).

Information	[Type= continuous] [Format=numeric] [Range= 0-900] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=350.212 /-] [StdDev=122.05 /-]

minutes: Minutes worked by decision maker.

Information	[Type= continuous] [Format=numeric] [Range= 0-45] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=41.882 /-] [StdDev=6.438 /-]

price: Price per point for decision maker (NOK/points).

Information	[Type= continuous] [Format=numeric] [Range= 0.200000002980232-0.400000005960464] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=0.303 /-] [StdDev=0.1 /-]

value: Production value for decision maker (in NOK).

Information	[Type= continuous] [Format=numeric] [Range= 0-300] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=105.796 /-] [StdDev=51.781 /-]

opp_prod: Anonymous opponent's production (in points).

Information	[Type= continuous] [Format=numeric] [Range= 0-900] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=350.212 /-] [StdDev=122.05 /-]

opp_minutes: Anonymous opponent's minutes worked.

Information	[Type= continuous] [Format=numeric] [Range= 0-45] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=41.882 /-] [StdDev=6.438 /-]

opp_price: Production value for anonymous opponent (in NOK).

Information	[Type= continuous] [Format=numeric] [Range= 0.200000002980232-0.400000005960464] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=0.303 /-] [StdDev=0.1 /-]

opp_value: Production value for anonymous opponent (in NOK).

Information	[Type= continuous] [Format=numeric] [Range= 0-300] [Missing=*]
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=105.796 /-] [StdDev=51.781 /-]

y: Money demanded by decision maker for self.

Information	[Type= continuous] [Format=numeric] [Range= 10-360] [Missing=*]

File : mmskole_situations1

# **y: Money demanded by decision maker for self.**	
Statistics [NW/ W]	[Valid=2362 /-] [Invalid=0 /-] [Mean=115.694 /-] [StdDev=52.044 /-]

File : mmskole_situations2

pid: Non-informative id of participant.

Information	[Type= continuous] [Format=numeric] [Range= 101-639] [Missing=*]
Statistics [NW/ W]	[Valid=1868 /-] [Invalid=0 /-] [Mean=361.301 /-] [StdDev=155.208 /-]

fnr: Sequence-number of situation for individual.

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=1868 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1		486	26.0%
2		486	26.0%
3		456	24.4%
4		440	23.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

points: Points to distribute. Worth 1 NOK/point to self.

Information	[Type= continuous] [Format=numeric] [Range= 100-150] [Missing=*]
Statistics [NW/ W]	[Valid=1868 /-] [Invalid=0 /-] [Mean=108.512 /-] [StdDev=18.797 /-]

mult: Multiplier on points allocated to other participant.

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=1868 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1		466	24.9%
2		465	24.9%
3		466	24.9%
4		471	25.2%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

y: Money demanded by decision maker for self.

Information	[Type= continuous] [Format=numeric] [Range= 0-150] [Missing=*]
Statistics [NW/ W]	[Valid=1868 /-] [Invalid=0 /-] [Mean=76.879 /-] [StdDev=25.292 /-]