Supplemental Material: Reciprocity supports cooperation in real-world economic interactions

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Reciprocal Edge Classifications and Coefficients of Variation

Club

Orders

Members

DWR

DBR

IWR

IBR

DWR

DBR

IWR

IBR

1

59

23

0.71

0.12

0.03

0.03

28.77

78.05

120.88

147.78

2

11

10

0.65

0.00

0.06

0.00

73.43

331.66

3

22

28

0.67

0.08

0.06

0.05

19.21

91.81

87.29

112.77

4

27

18

0.62

0.08

0.07

0.06

68.37

154.02

137.39

172.58

5

69

9

0.57

0.15

0.03

0.06

63.31

147.32

281.49

242.32

6

15

4

0.63

0.14

0.05

0.06

81.21

146.99

273.94

230.75

7

93

8

0.64

0.16

0.02

0.07

79.24

150.72

450.82

271.84

8

64

66

0.54

0.15

0.10

0.04

43.17

109.03

93.08

172.86

9

48

26

0.46

0.12

0.10

0.07

59.34

152.03

132.13

216.36

10

91

122

0.58

0.12

0.10

0.04

13.53

40.11

39.79

86.51

11

67

31

0.58

0.12

0.07

0.04

43.81

91.61

109.77

135.80

12

10

27

0.72

0.11

0.07

0.02

9.65

37.65

28.08

56.07

13

69

51

0.58

0.15

0.07

0.05

27.74

55.13

56.51

96.41

14

80

46

0.55

0.18

0.07

0.05

33.05

75.29

102.94

103.74

15

80

144

0.52

0.10

0.11

0.07

24.58

51.12

52.48

58.61

16

76

78

0.58

0.13

0.09

0.04

22.30

49.65

58.45

92.28

17

30

9

0.55

0.22

0.04

0.04

41.59

59.62

160.40

175.02

18

46

6

0.56

0.06

0.02

0.06

62.84

173.14

368.19

227.58

19

20

3

0.68

0.15

0.00

0.06

83.63

183.90

324.63

20

14

9

0.58

0.20

0.03

0.03

21.63

49.64

136.29

138.62

21

52

66

0.61

0.15

0.07

0.03

12.20

35.95

48.67

63.86

22

95

66

0.66

0.14

0.05

0.01

23.07

51.71

55.79

393.82

23

100

141

0.74

0.08

0.06

0.02

22.59

52.21

72.25

296.70

24

34

45

0.64

0.08

0.09

0.02

6.35

37.19

23.71

75.64

25

30

80

0.64

0.06

0.09

0.02

8.67

37.68

24.51

88.82

26

5

7

0.54

0.04

0.06

0.06

40.61

142.88

100.33

189.81

27

34

7

0.72

0.08

0.01

0.07

52.25

198.15

329.63

245.41

28

17

23

0.61

0.14

0.06

0.07

20.82

54.33

99.73

98.16

29

67

34

0.61

0.19

0.05

0.04

19.04

49.68

77.84

94.82

30

17

4

0.67

0.00

0.00

0.10

55.08

209.44

31

44

7

0.36

0.34

0.05

0.16

112.18

102.91

277.17

158.48

32

37

7

0.60

0.07

0.04

0.03

70.79

168.90

215.30

270.34

33

5

11

0.47

0.00

0.15

0.01

7.86

25.75

124.32

34

6

6

0.61

0.09

0.04

0.00

16.16

89.78

78.31

35

62

16

0.44

0.03

0.11

0.01

19.25

90.96

61.45

296.87

1596

1238

0.60

0.12

0.06

0.05

39.64

94.04

136.73

171.79

SPR Cluster Centers

Club

Beneficiary

Reciprocator

Helper

1

-0.880

0

0.836

2

-0.742

0

0.783

3

-0.977

0

0.868

4

-1.160

0

0.905

5

-1.033

0

0.706

6

-0.805

0

0.766

7

-0.730

0

0.864

8

-1.033

0

1.037

9

-1.053

0

0.956

10

-1.403

0

0.816

11

-1.059

0

0.948

12

-1.707

0

0.467

13

-1.125

0

0.904

14

-1.062

0

0.873

15

-1.180

0

0.904

16

-1.083

0

0.871

17

-0.888

0

0.878

18

-0.904

0

0.761

19

-0.573

0

0.678

20

-0.970

0

0.707

21

-1.063

0

0.695

22

-0.885

0

0.745

23

-1.527

0

0.537

24

-0.999

0

0.688

25

-1.633

0

0.586

26

-0.981

0

0.798

27

-0.621

0

0.733

28

-0.922

0

0.731

29

-0.952

0

0.864

30

-1.134

0

0.505

31

-0.952

0

0.747

32

-0.920

0

0.709

33

-1.969

0

0.663

34

-0.761

0

0.847

35

-1.527

0

1.007

Count of Member Types

Club

Beneficiaries

Reciprocators

Helpers

Unclassified\*

1

0

21

2

4

2

2

8

0

2

3

3

22

3

7

4

1

14

3

9

5

1

7

1

1

6

1

3

0

10

7

2

6

0

4

8

7

49

10

11

9

3

19

4

6

10

9

87

26

25

11

3

22

6

6

12

3

19

5

3

13

3

35

13

13

14

5

31

10

10

15

16

97

31

46

16

13

52

13

11

17

1

6

2

3

18

1

4

1

11

19

0

2

1

5

20

1

6

2

1

21

11

43

12

2

22

5

47

14

6

23

10

85

46

41

24

5

27

13

6

25

3

48

29

16

26

1

4

2

3

27

0

4

3

2

28

5

13

5

6

29

3

19

12

5

30

0

2

2

1

31

1

3

3

1

32

1

3

3

3

33

1

4

6

8

34

1

2

3

2

35

2

4

10

2

124

818

296

292