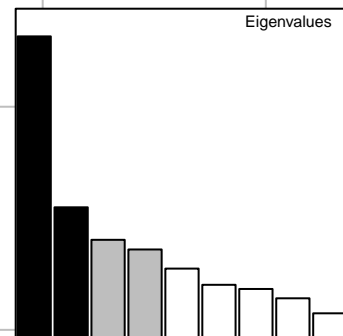
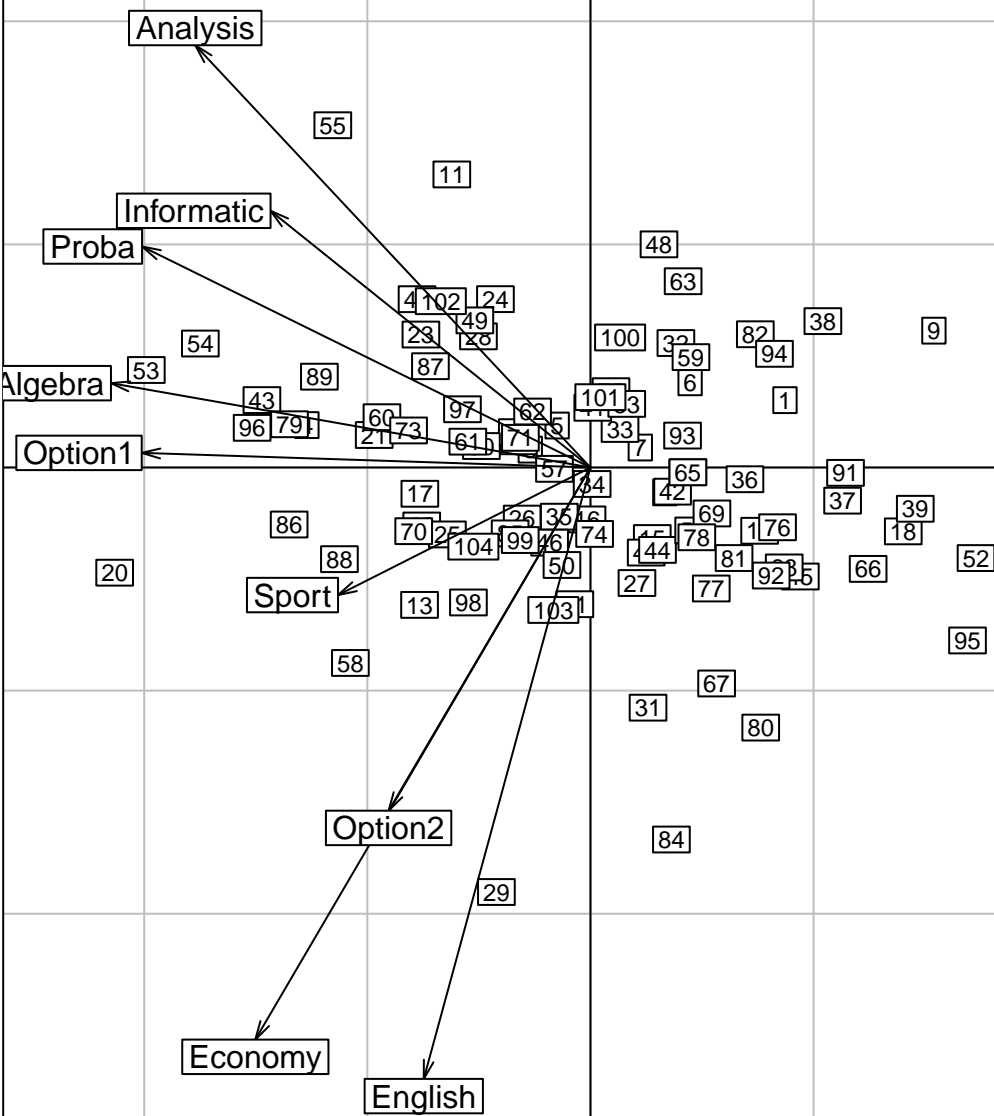
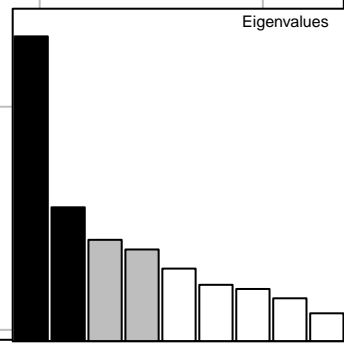
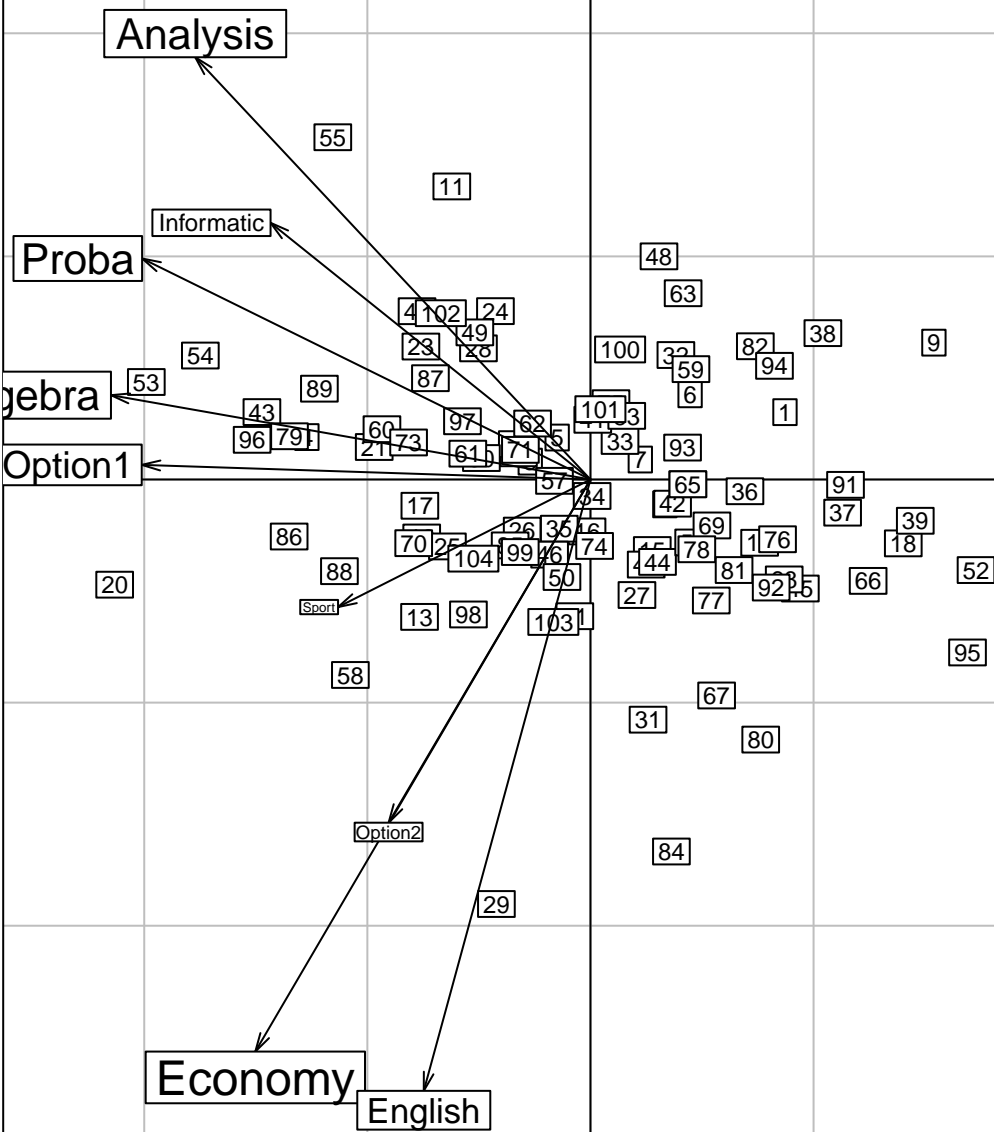


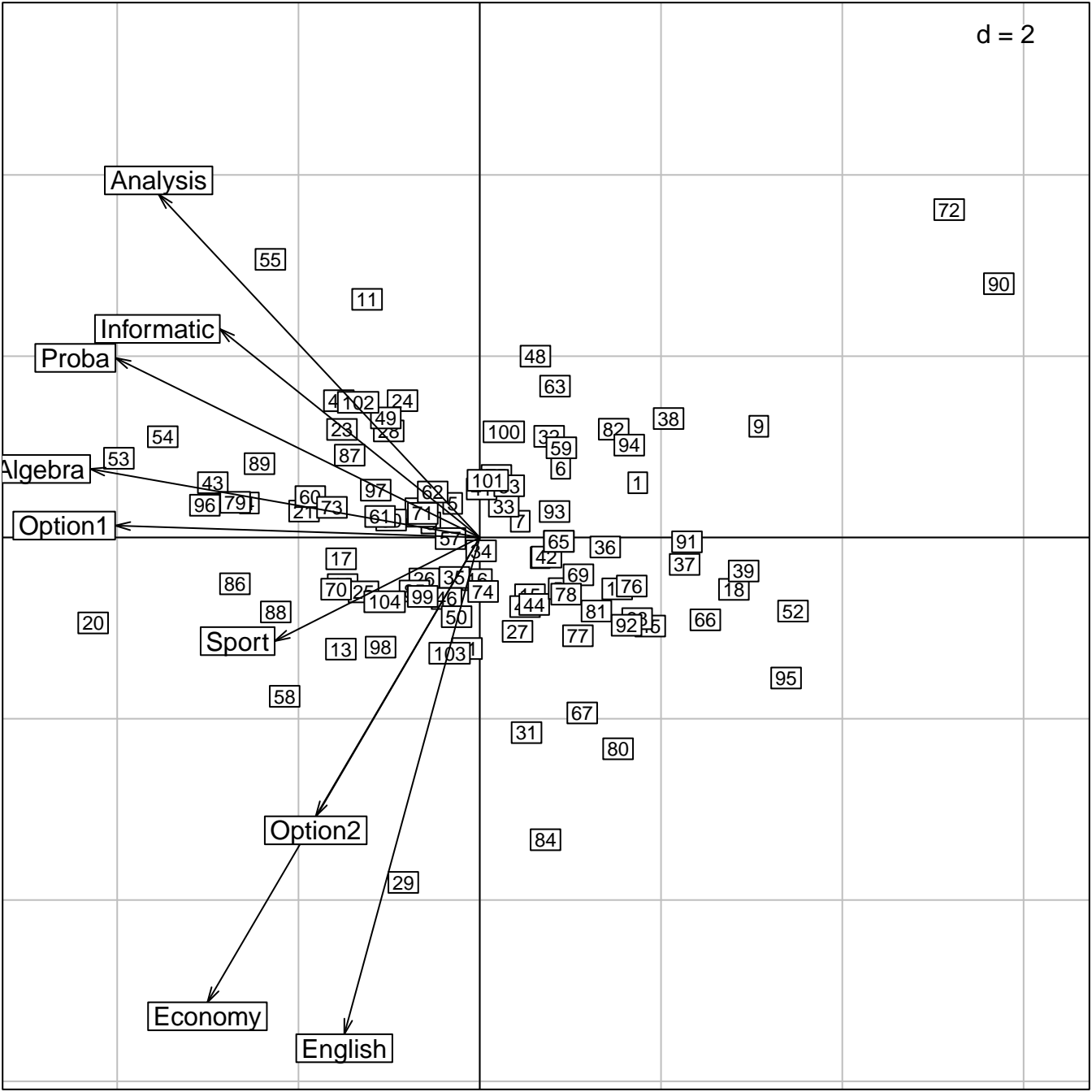
d = 2



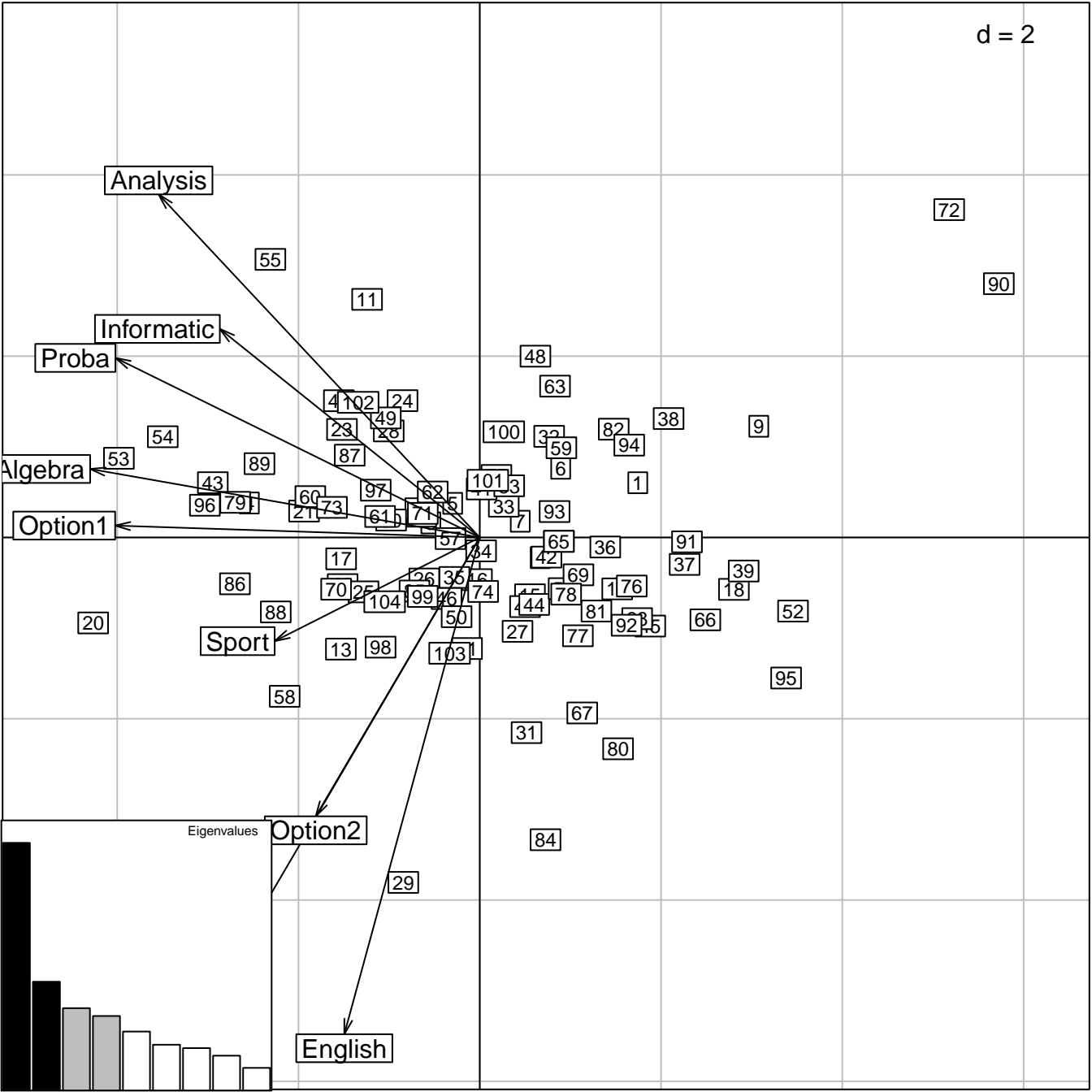
d = 2

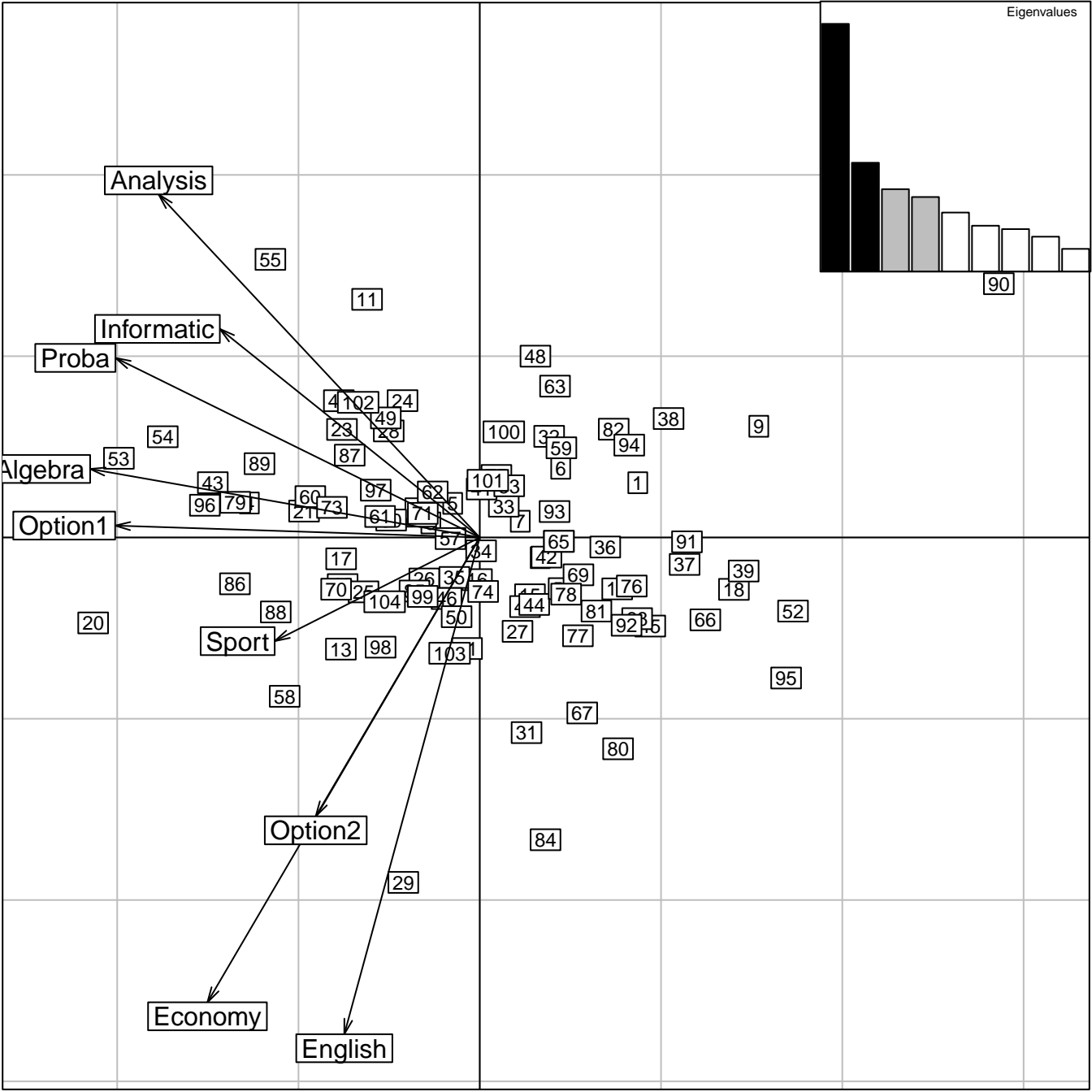


d = 2

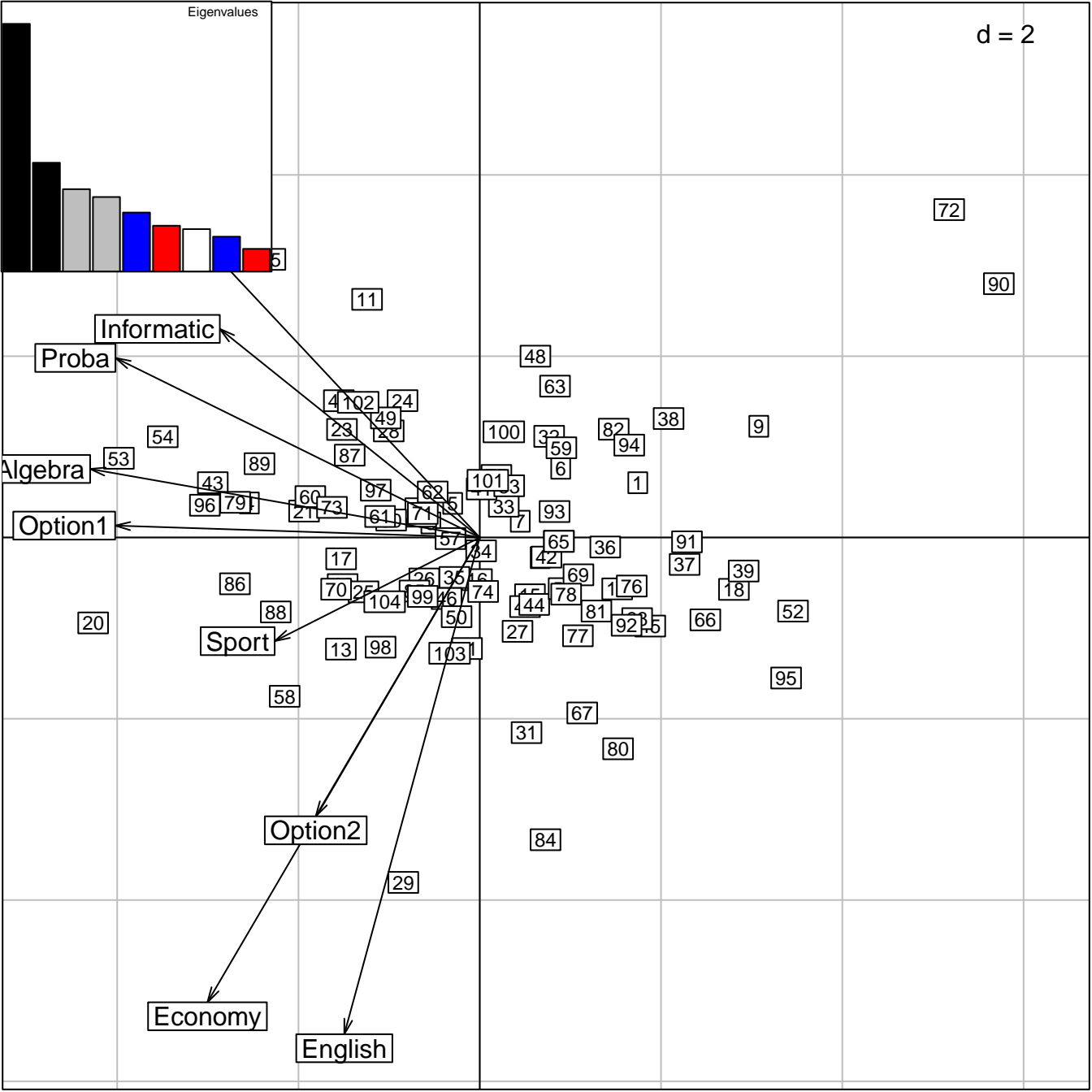
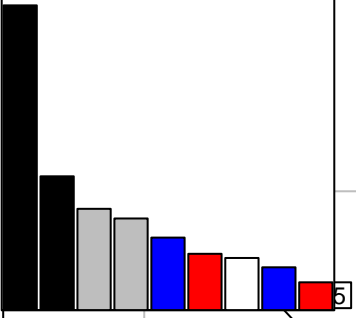


d = 2





Eigenvalues



72

90

11

Informatic

Proba

48

63

4

102

24

54

89

100

32

82

38

9

Algebra

53

43

96

79

60

73

97

62

101

3

6

1

Option1

96

79

60

73

97

62

101

3

6

93

17

84

65

36

91

37

39

20

86

70

25

104

99

67

74

44

78

69

176

66

18

52

Sport

88

13

98

103

27

77

92

66

95

Option2

Economy

English

31

67

80

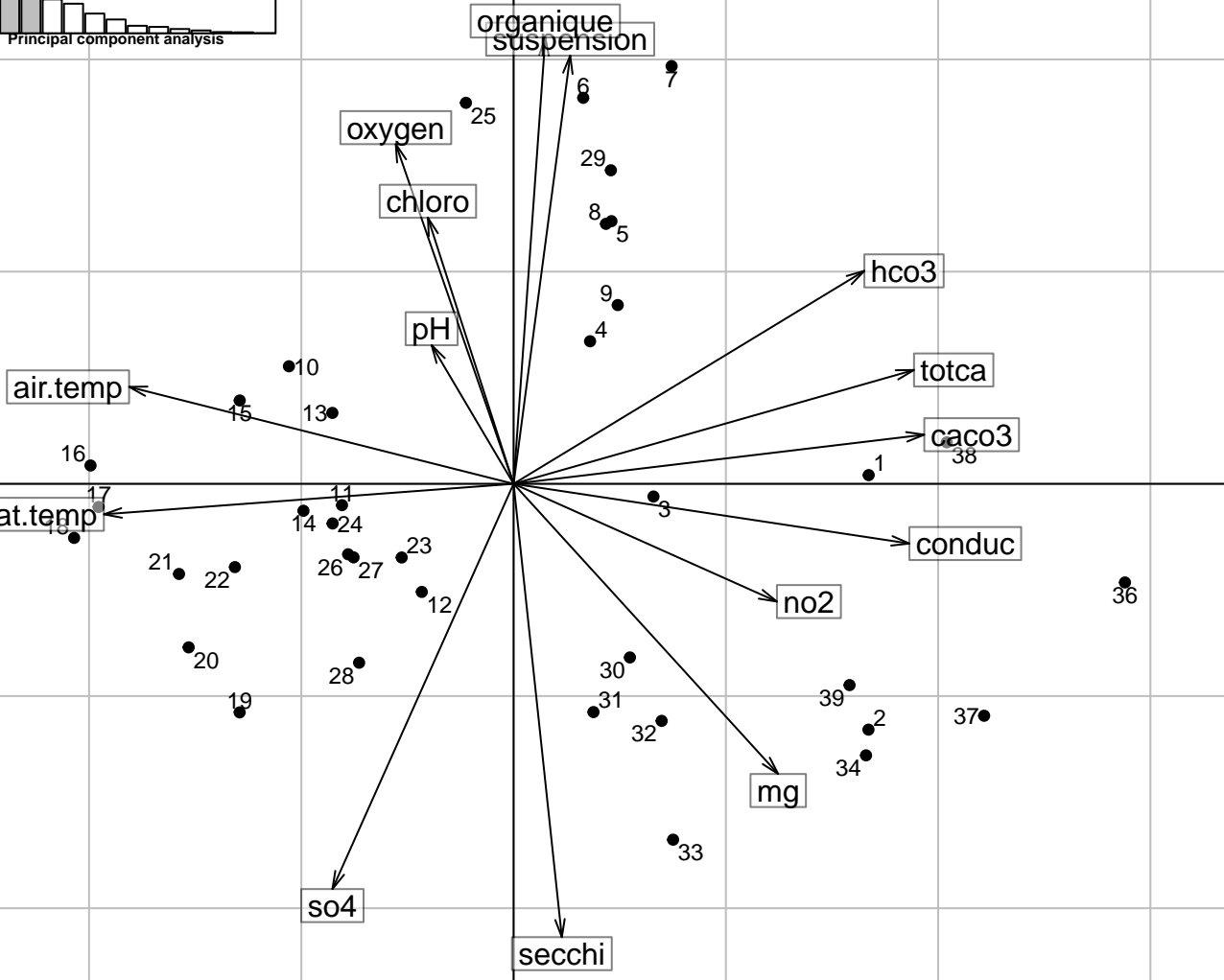
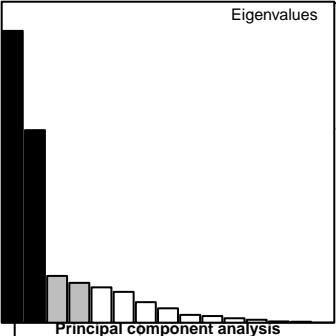
84

29

58

d = 2

Eigenvalues



Principal component analysis

d = 2

organique
suspension

oxygen

chloro

pH

hco3

air.temp

totca

caco3

wat.temp

conduc

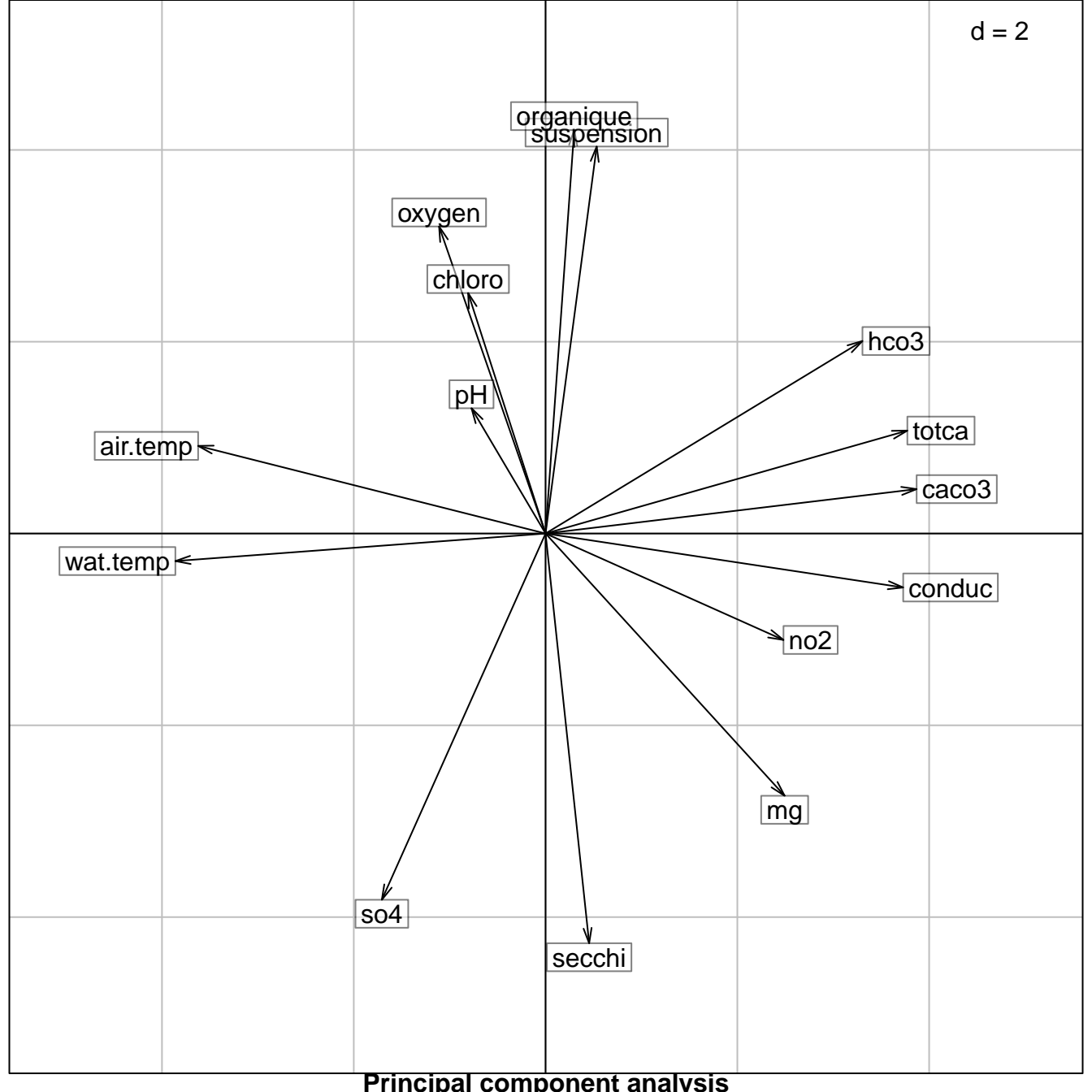
no2

mg

so4

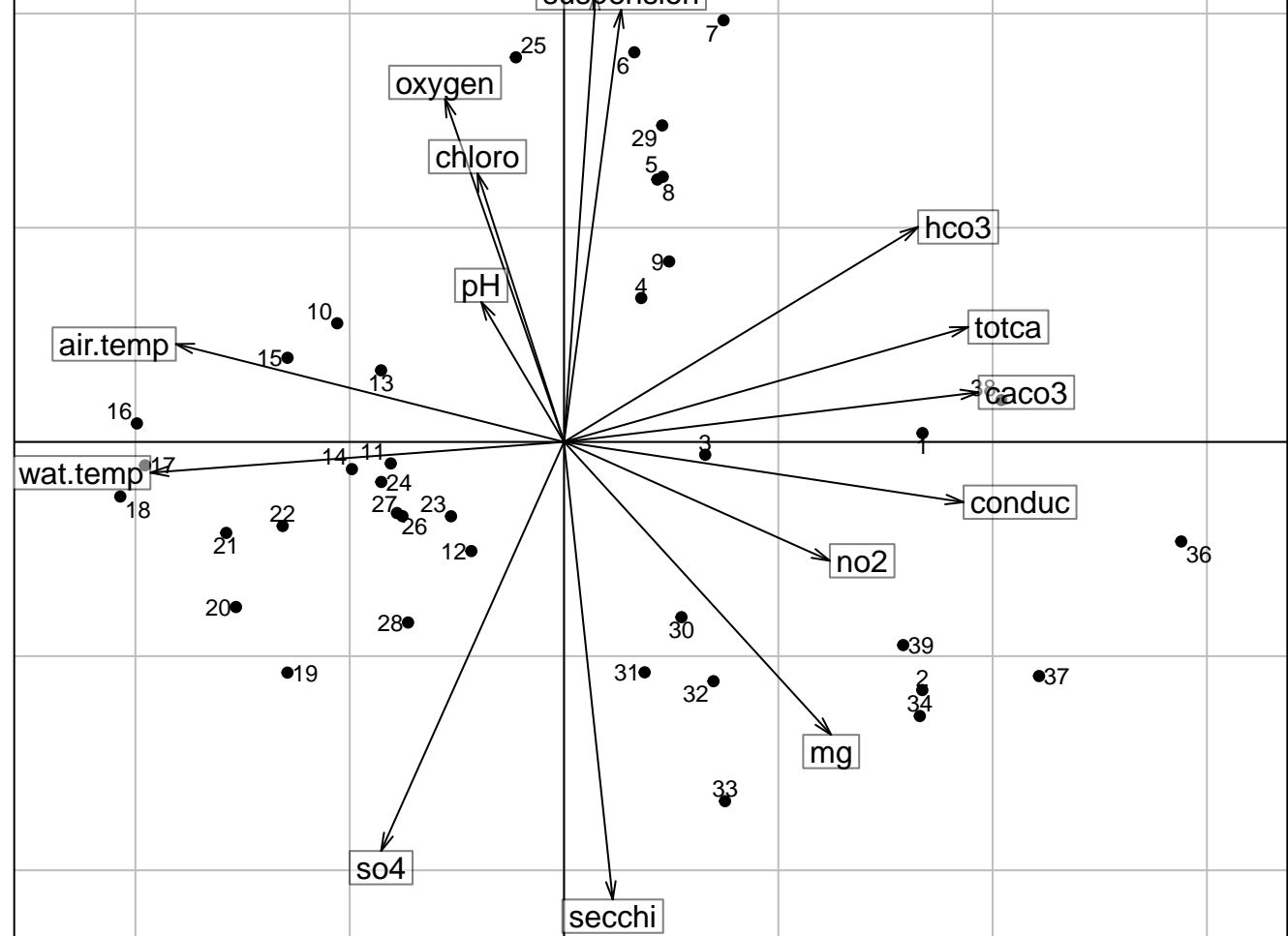
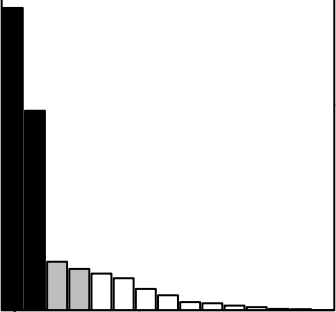
secchi

Principal component analysis



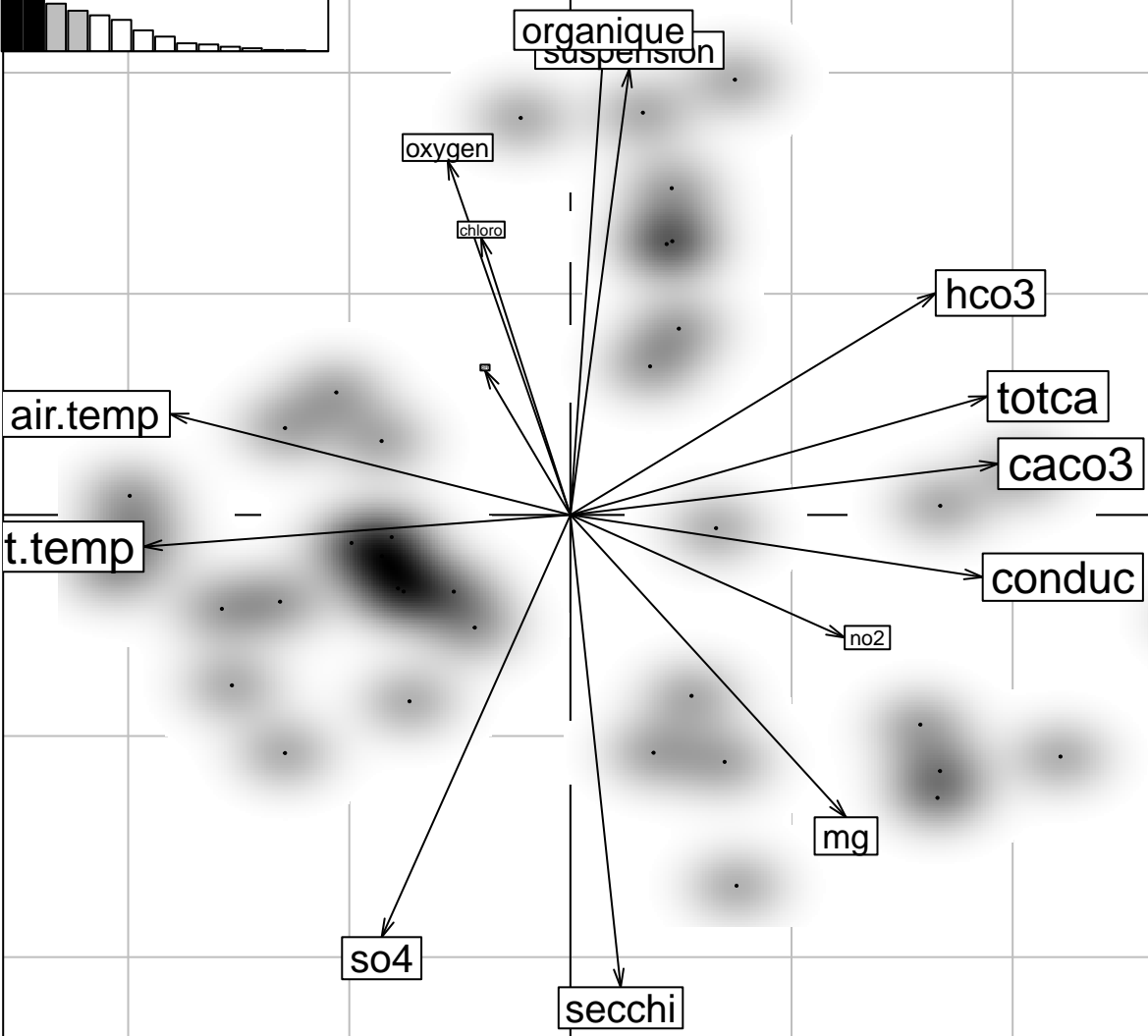
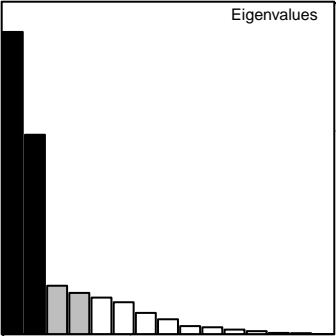
Eigenvalues

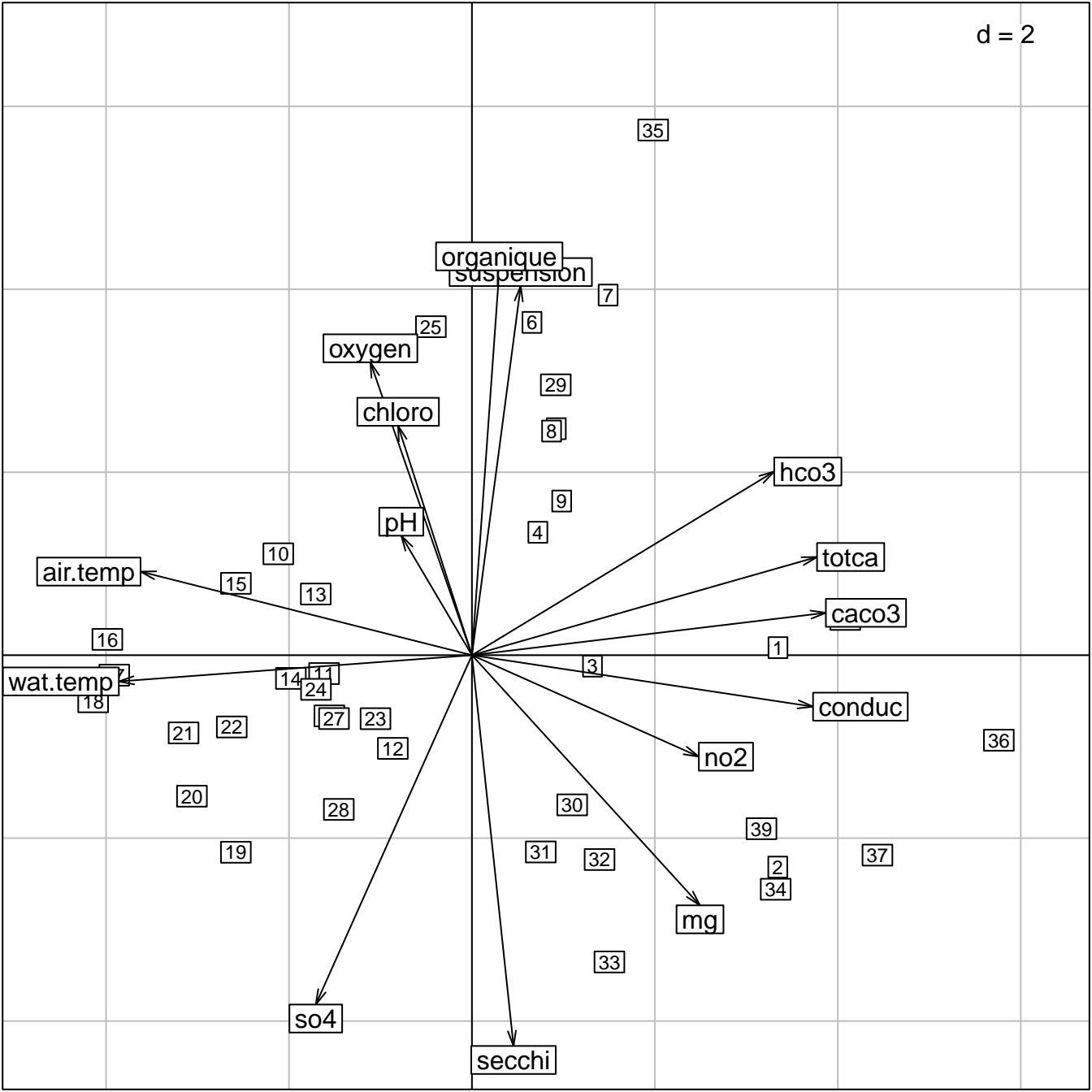
d = 2



Principal component analysis

Eigenvalues





organic
suspension

oxygen

chloro

pH

air.temp

wat.temp

so4

secchi

mg

no2

conduc

caco3

totca

hco3

35

7

6

29

8

9

4

10

15

13

16

14

11

24

27

23

12

28

21

22

20

19

30

31

32

33

39

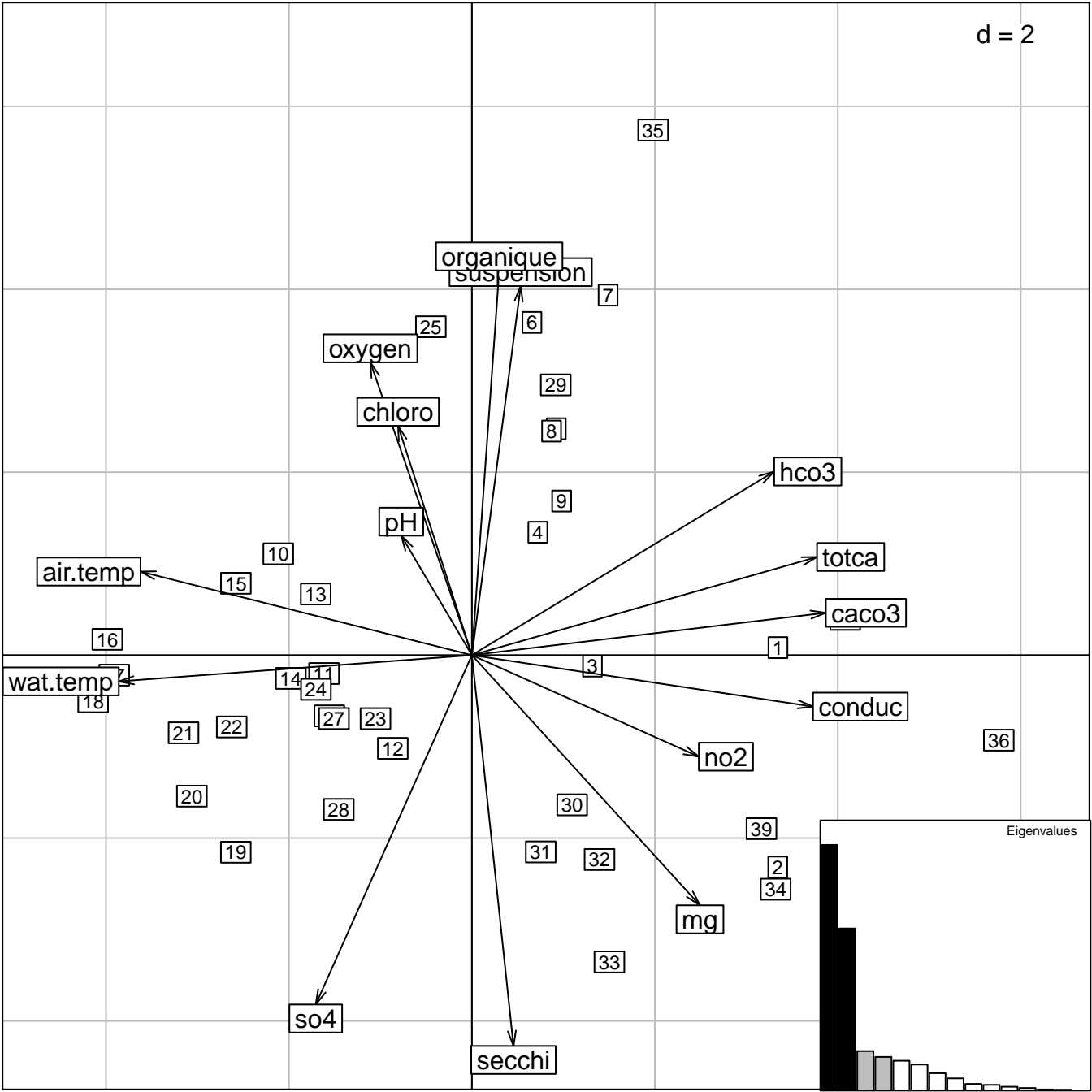
2

34

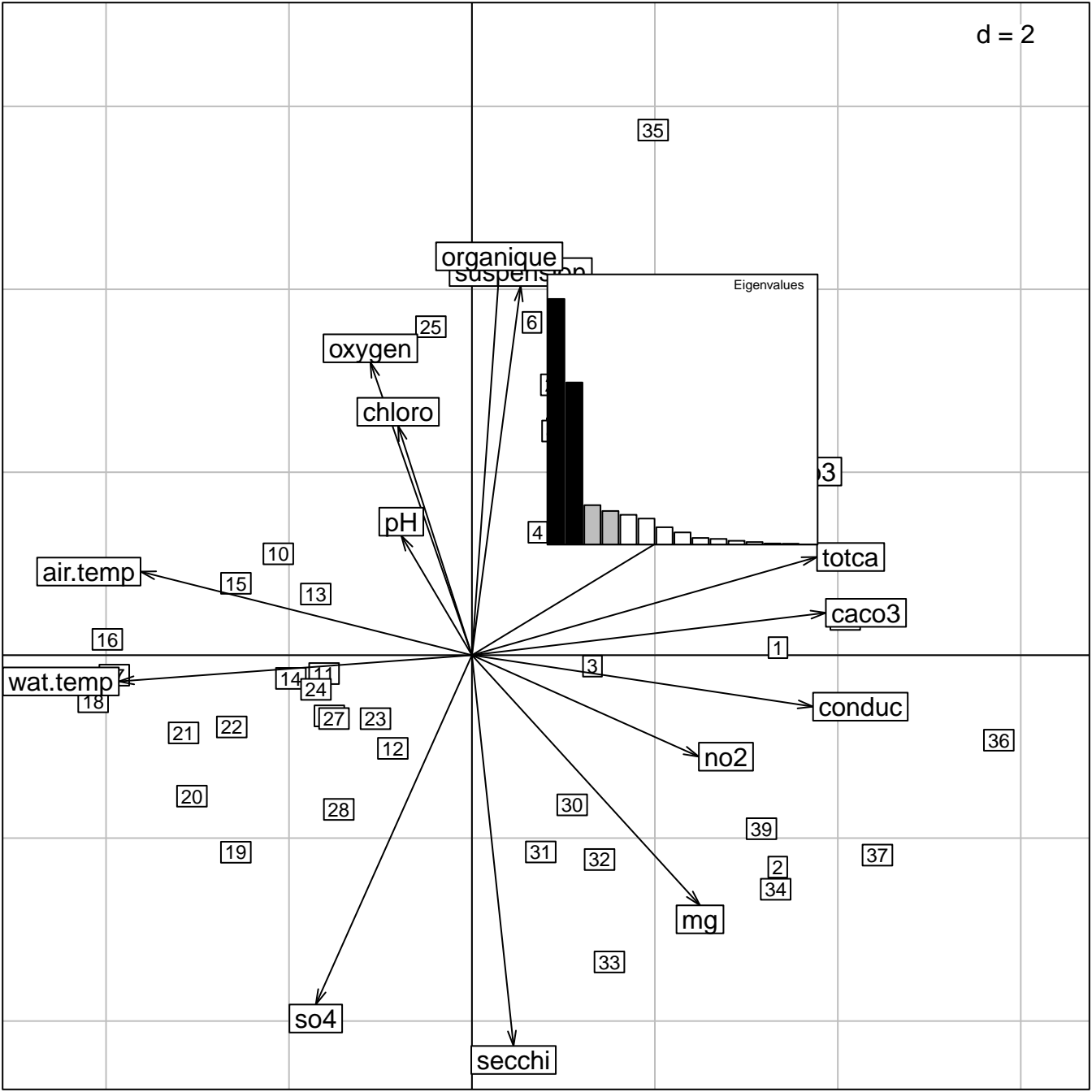
37

36

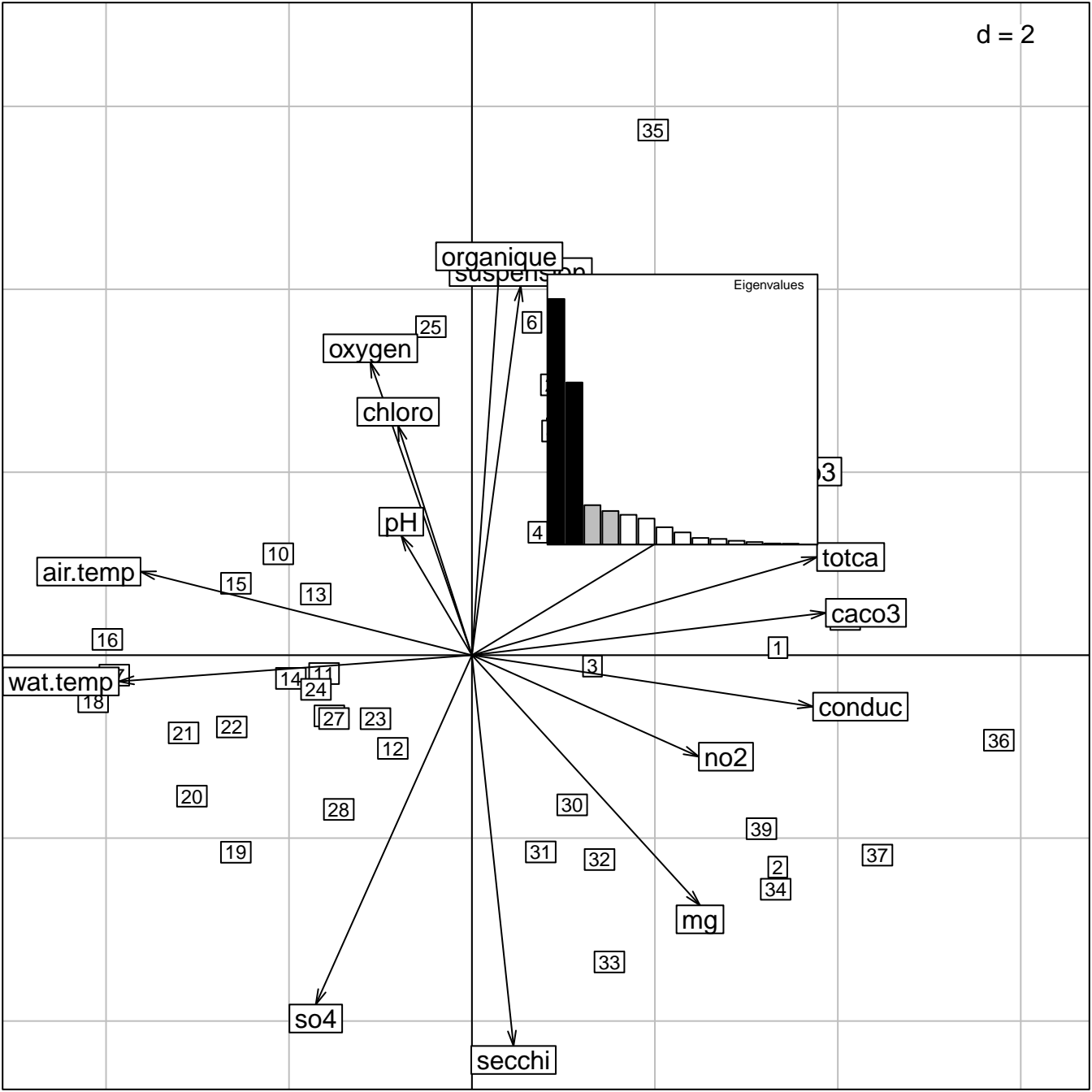
d = 2



d = 2



d = 2



d = 0.5

Holidays

Jointly

Finances

Insurance

Shopping

Dishes

Tidying

Official

Alternating

Dinner

Wife

Breakfast

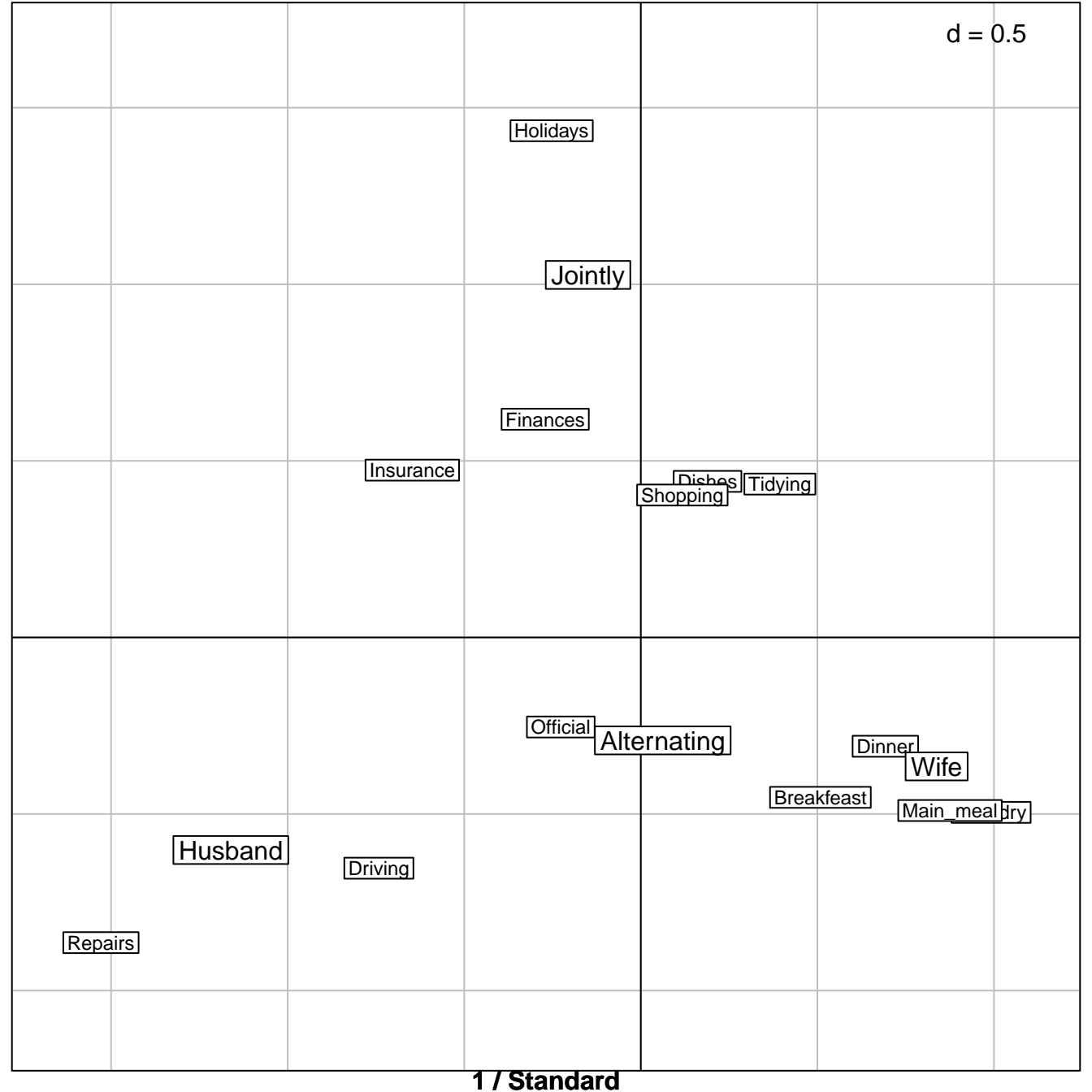
Main_meal

Husband

Driving

Repairs

1 / Standard



d = 0.5

Jointly

Holidays

Finances

Insurance

Shopping

Dishes

Tidying

Official

Alternating

Breakfast

Dinner

Main_meal

Wife

Driving

Husband
Repairs

2 / Columns -> averaging -> Rows

d = 1

Holidays

Jointly

Finances

Insurance

Shopping

Dishes

Tidying

Alternating

Official

Wife

Dinner

Husband

Breakfast

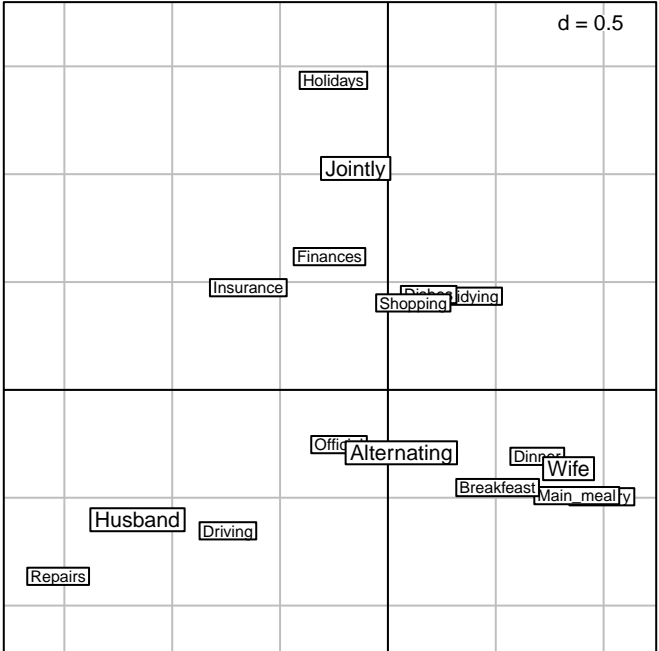
Main_meal

Driving

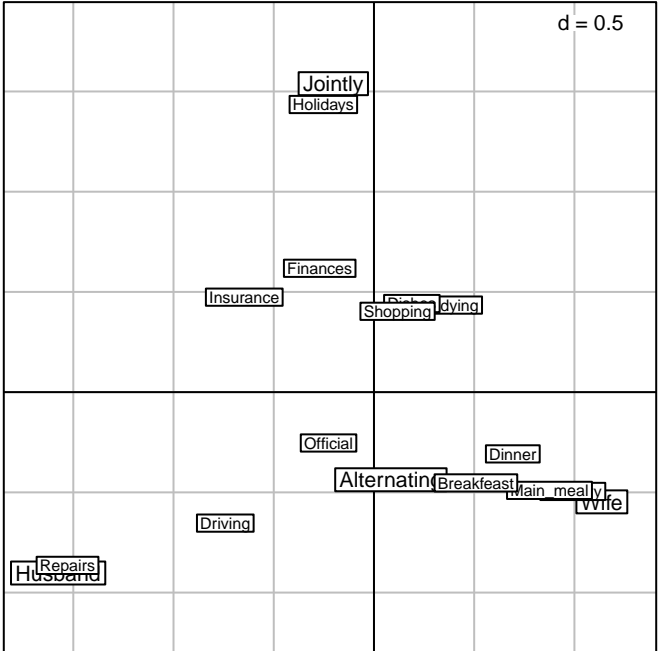
Repairs

3 / Rows -> averaging -> Columns

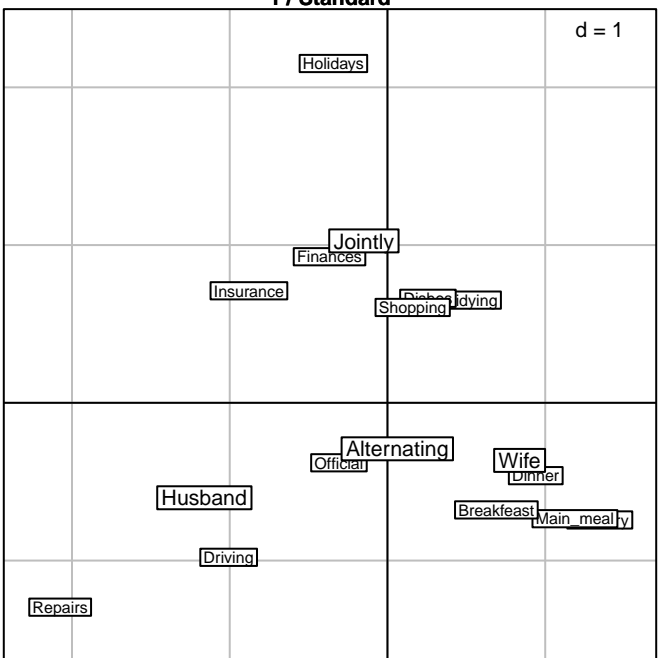
d = 0.5



d = 0.5



d = 1



d = 0.5

Holidays

Jointly

Finances

Insurance

Shopping

Dishes

Tidying

Official

Alternating

Dinner

Wife

Breakfast

Main_meal

dry

Husband

Driving

Repairs

d = 0.5

Holidays

Jointly

Finances

Insurance

Dishes
Shopping

Tidying

Official

Alternating

Dinner

Wife

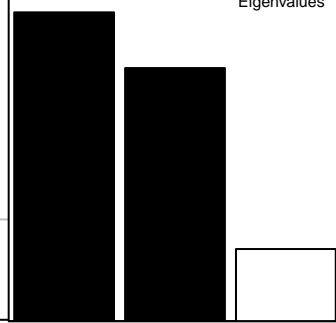
Breakfast

Eigenvalues

Husband

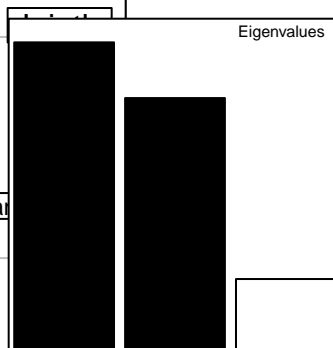
Driving

Repairs



d = 0.5

Holidays



Final

Insurance

Official

Alternating

Dinner

Wife

Breakfast

Main_meal

dry

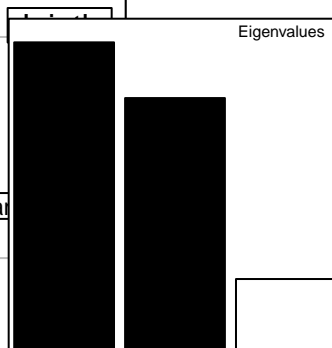
Husband

Driving

Repairs

d = 0.5

Holidays



Final

Insurance

Official

Alternating

Dinner

Wife

Breakfast

Main_meal

Husband

Driving

Repairs

d = 20

19

8

16

10

13

18

9

11

12

3

17

5

4

1

15

2

14

6

7

d = 20

19
8

16

10

13

18

9

11
12

3

17

5

4

1

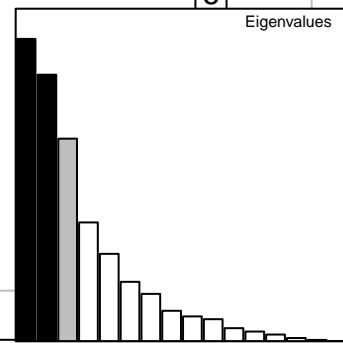
15

2

14

6

7



d = 20

19

8

16

10

18

9

3

17

5

1

15

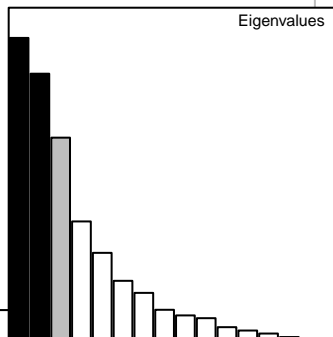
4

2

14

6

7



d = 20

19
8

16

10

18

9

3

17

5

1

15

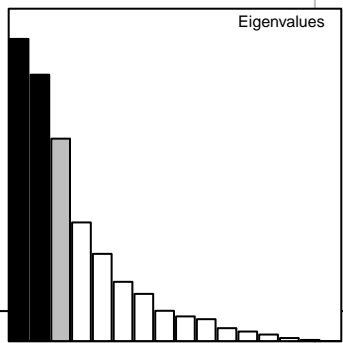
4

2

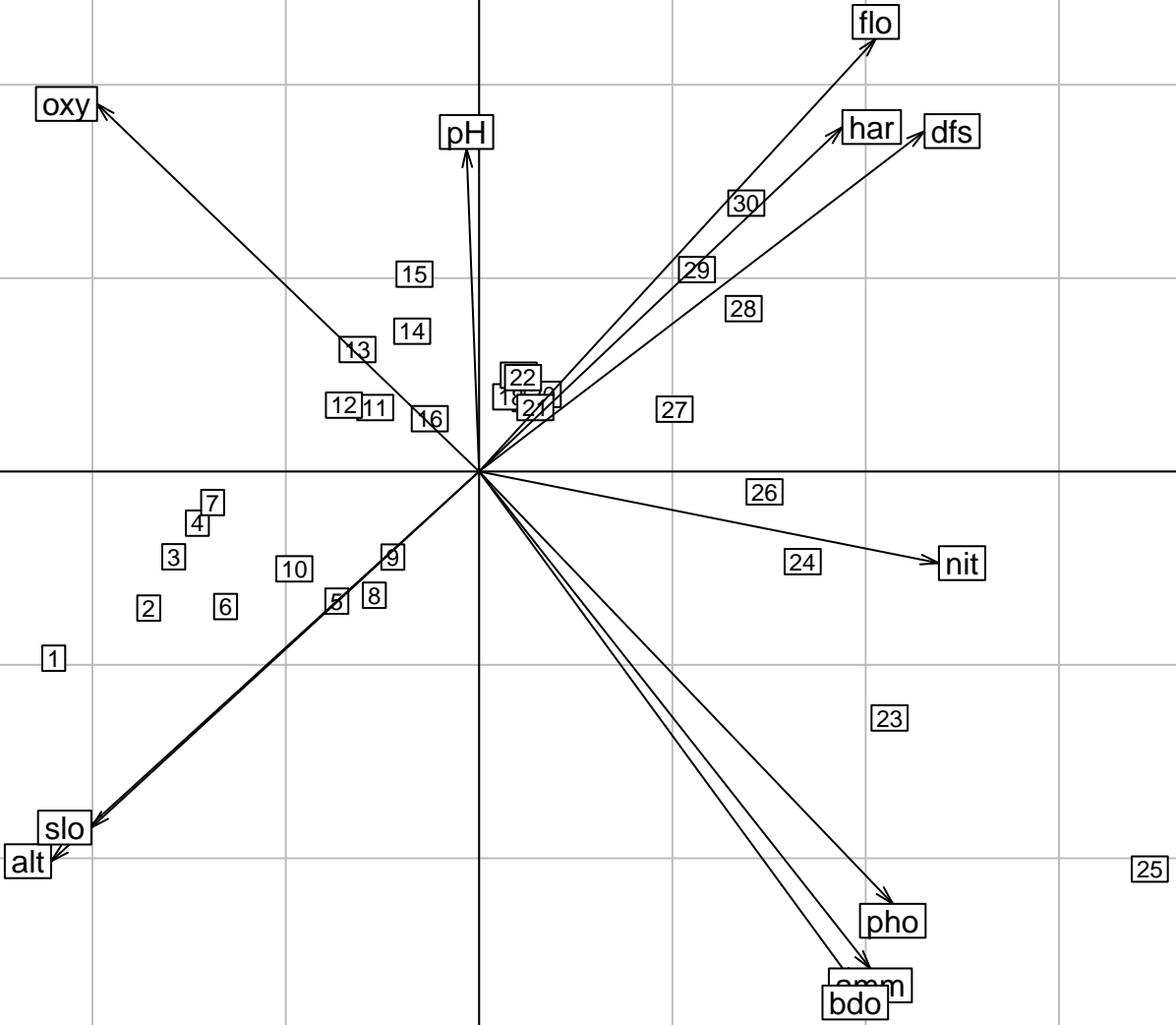
14

6

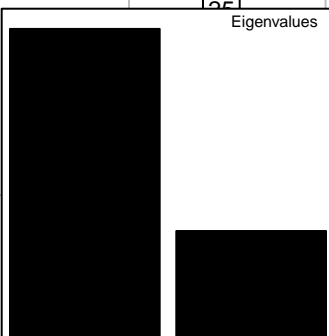
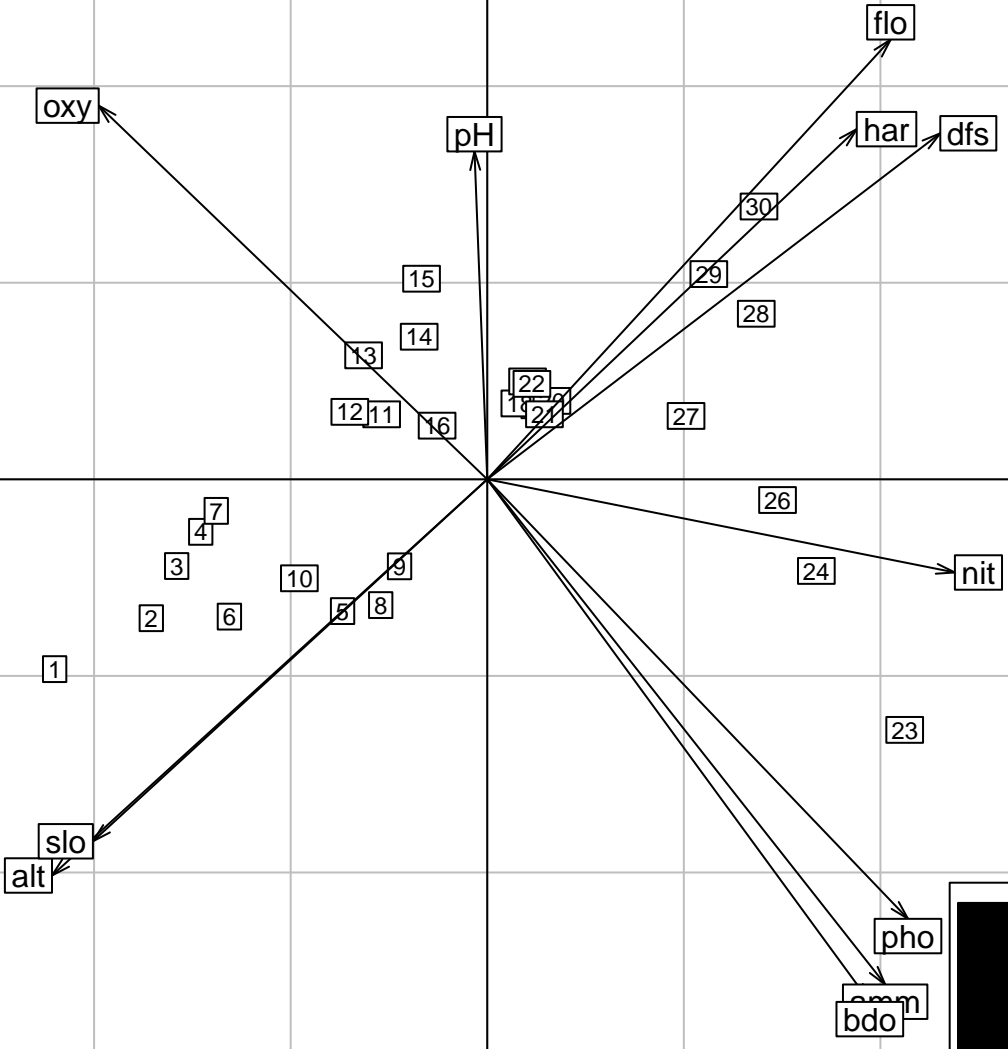
7



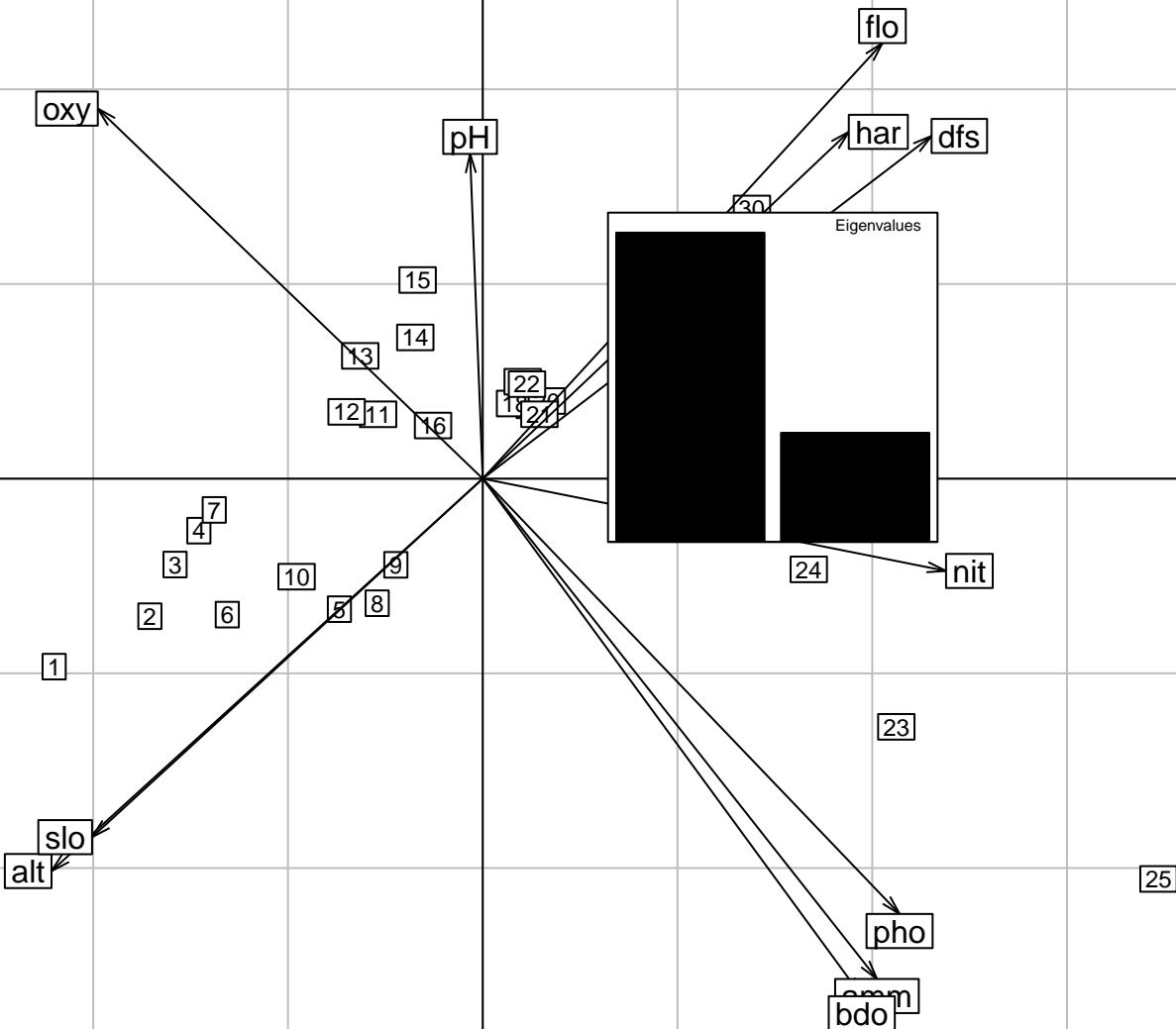
d = 2



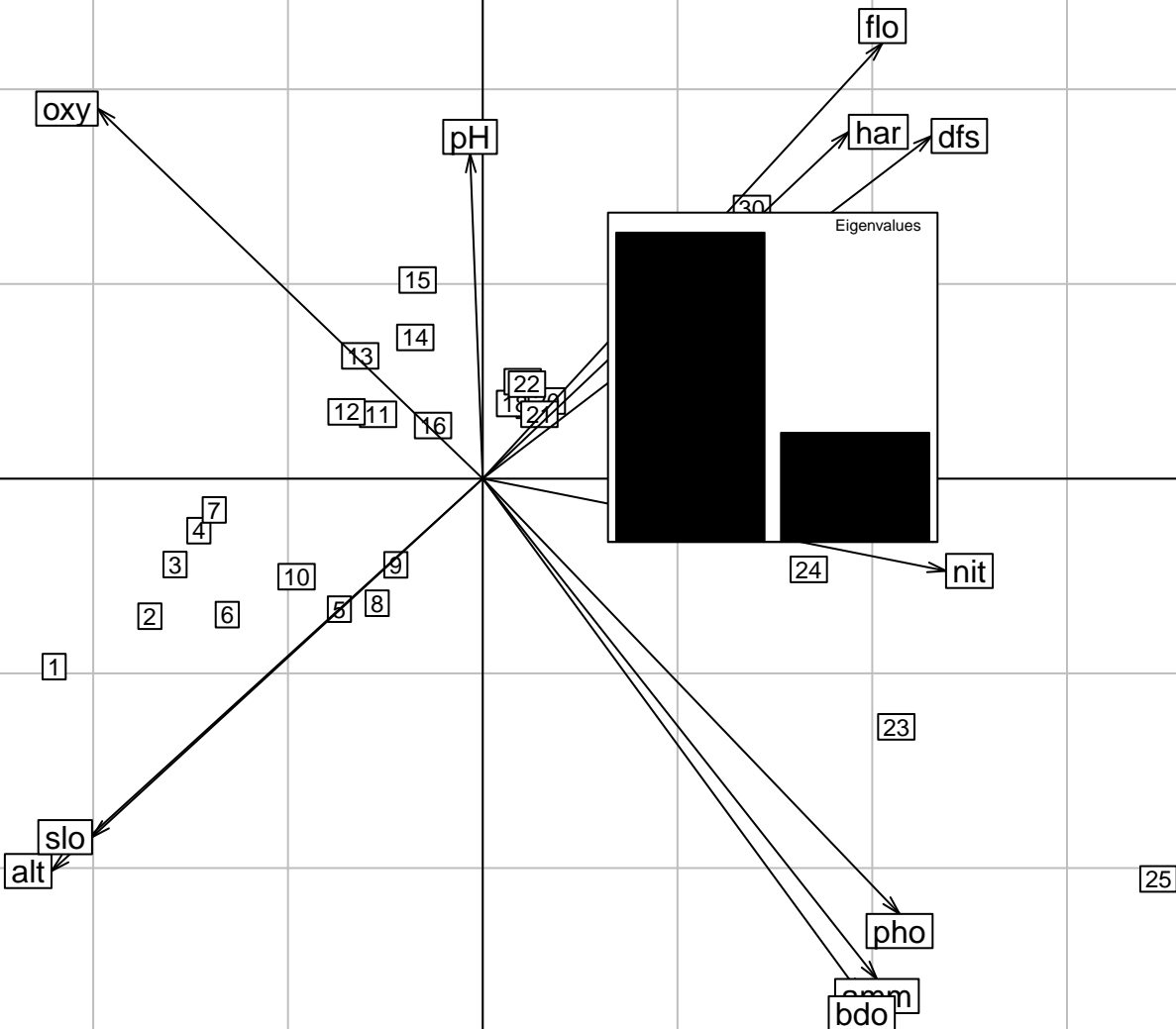
d = 2



d = 2



d = 2



d = 0.5

Holidays



Repairs

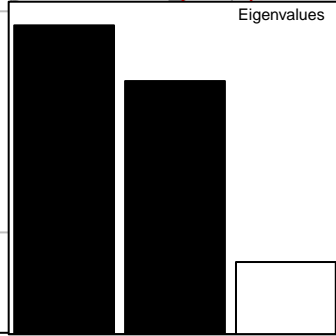
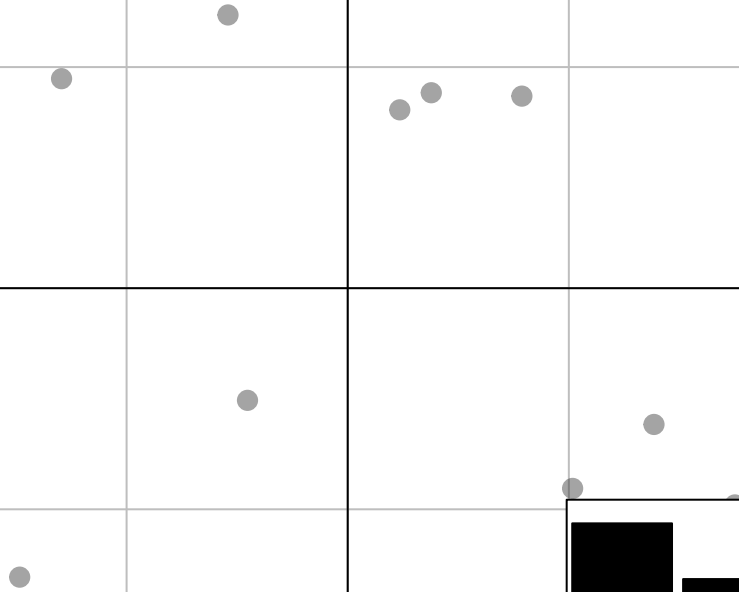
Laundry

d = 0.5

Holidays

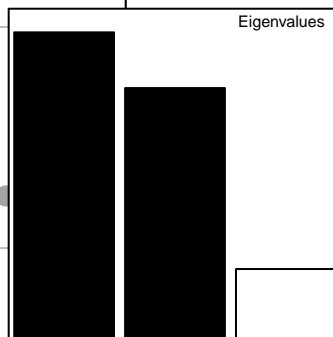
Repairs

Eigenvalues



d = 0.5

Holidays

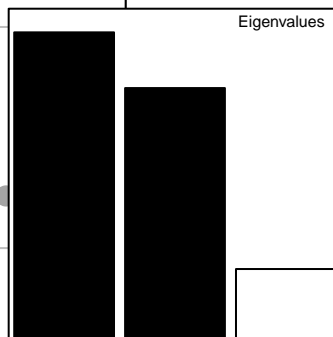


Laundry

Repairs

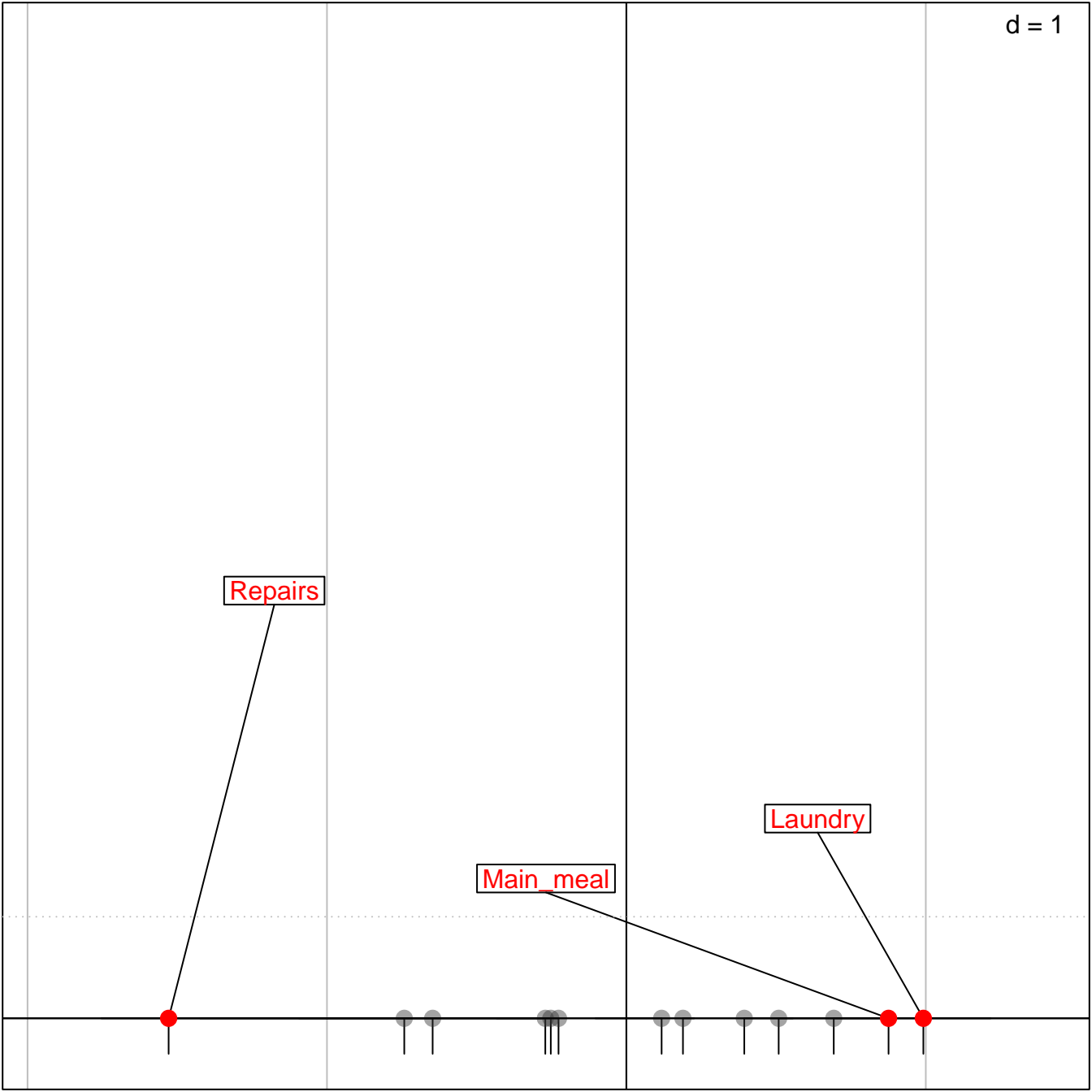
d = 0.5

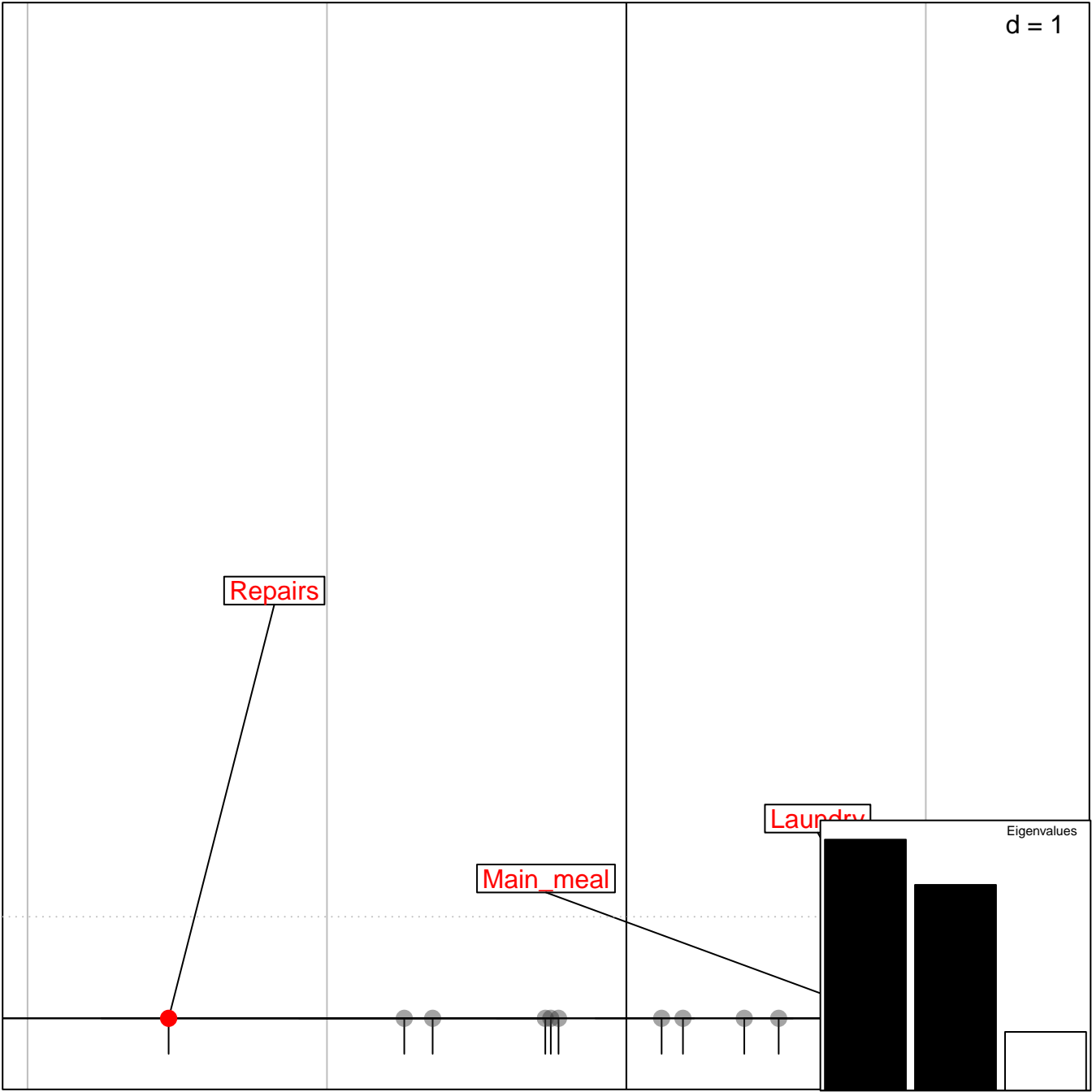
Holidays



Laundry

Repairs



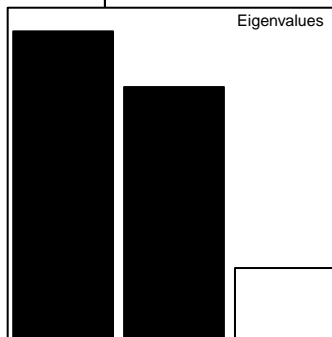


Repairs

Main_meal

Laundry

Eigenvalues



Repairs

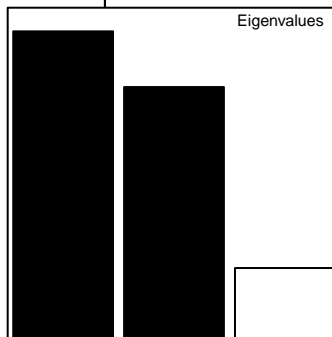


Main_meal



Laundry





Repairs



Main_meal



Laundry



d = 0.5

Jointly



Wife

Husband

d = 0.5

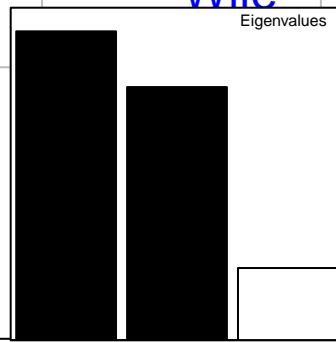
Jointly



Wife

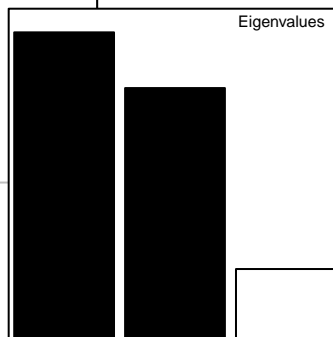
Husband

Eigenvalues



d = 0.5

Jointly

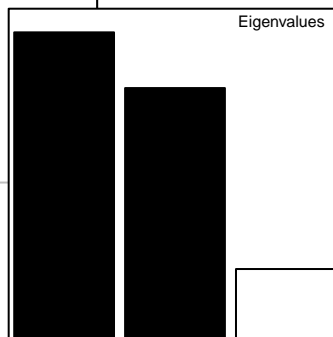


Wife

Husband

d = 0.5

Jointly



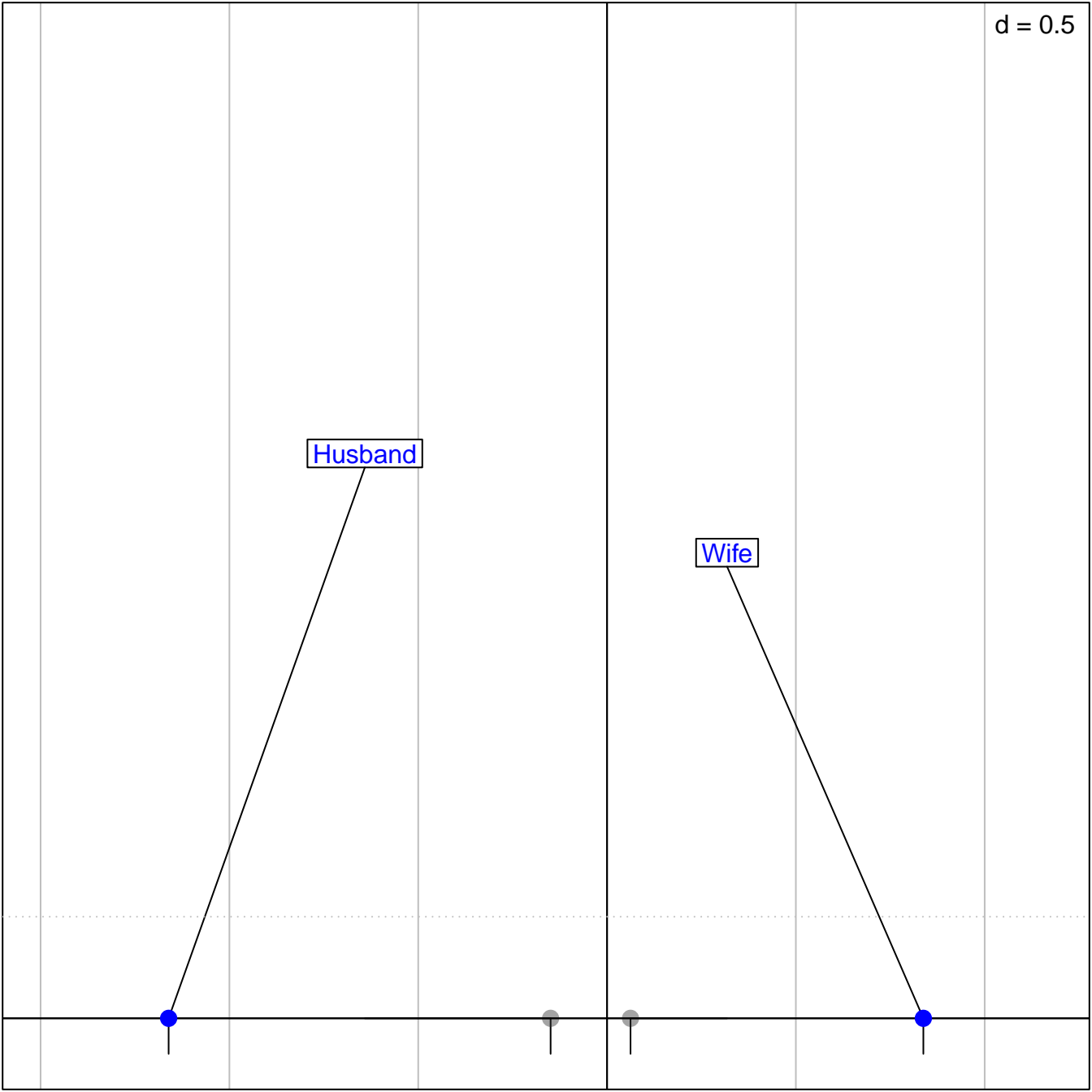
Wife

Husband

d = 0.5

Husband

Wife

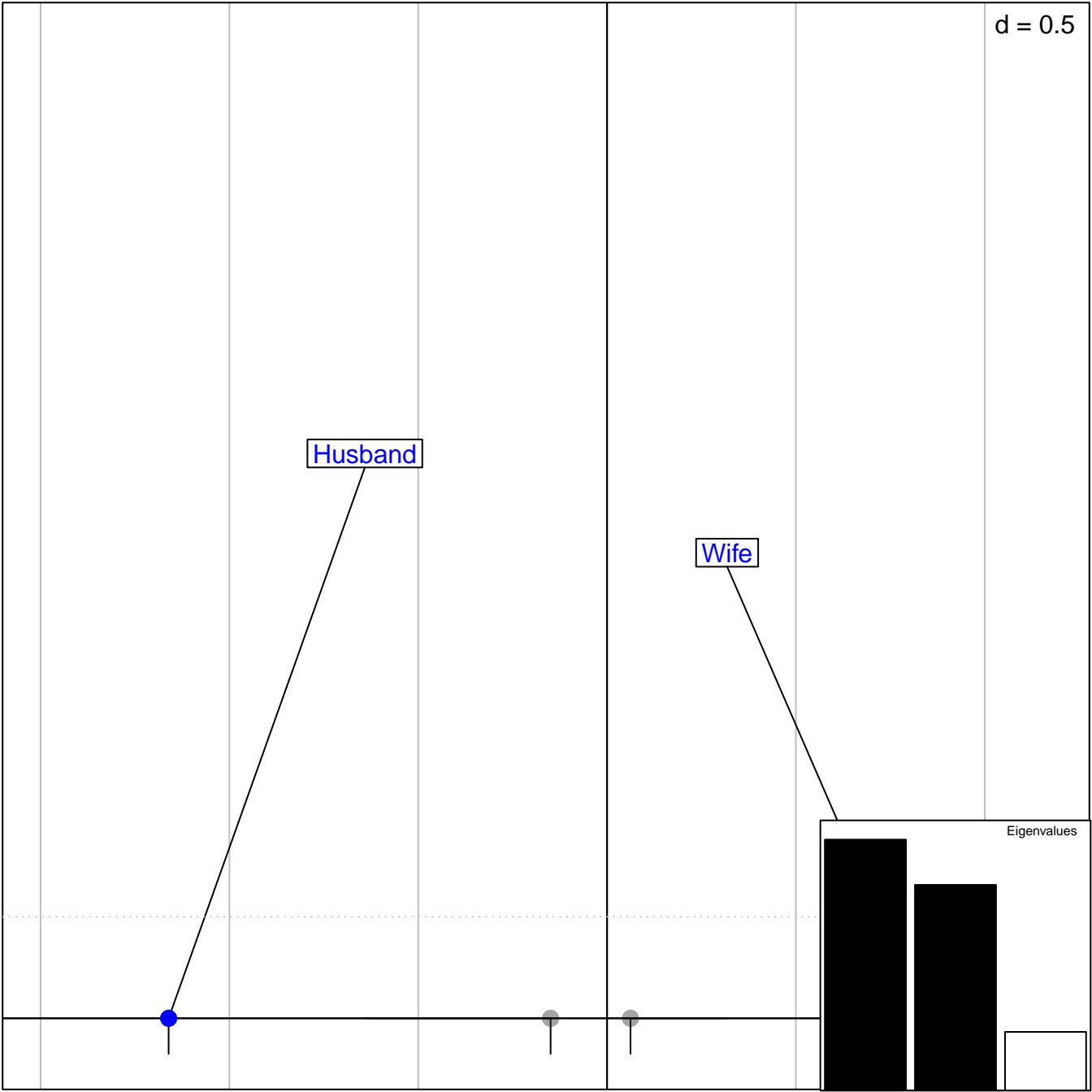


d = 0.5

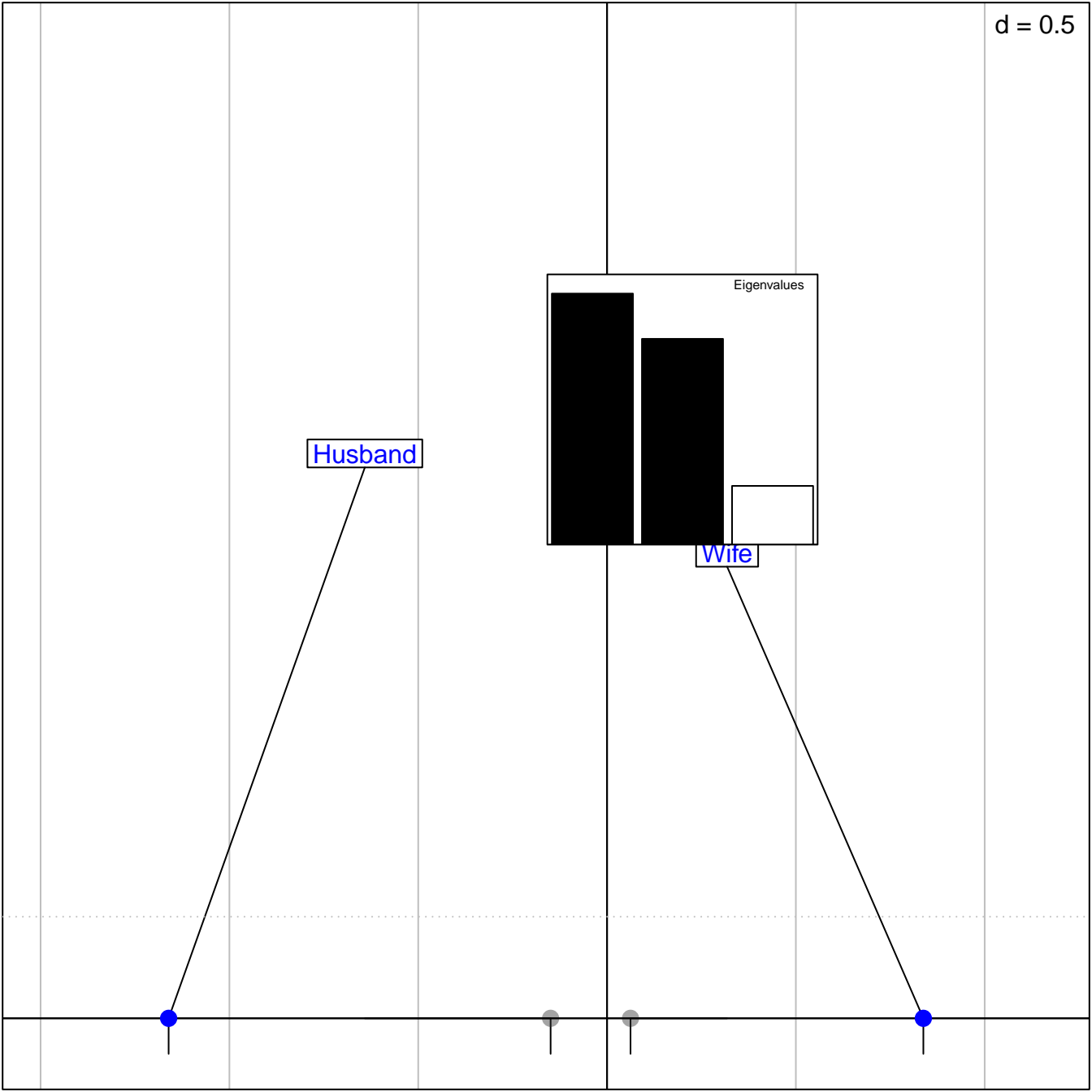
Husband

Wife

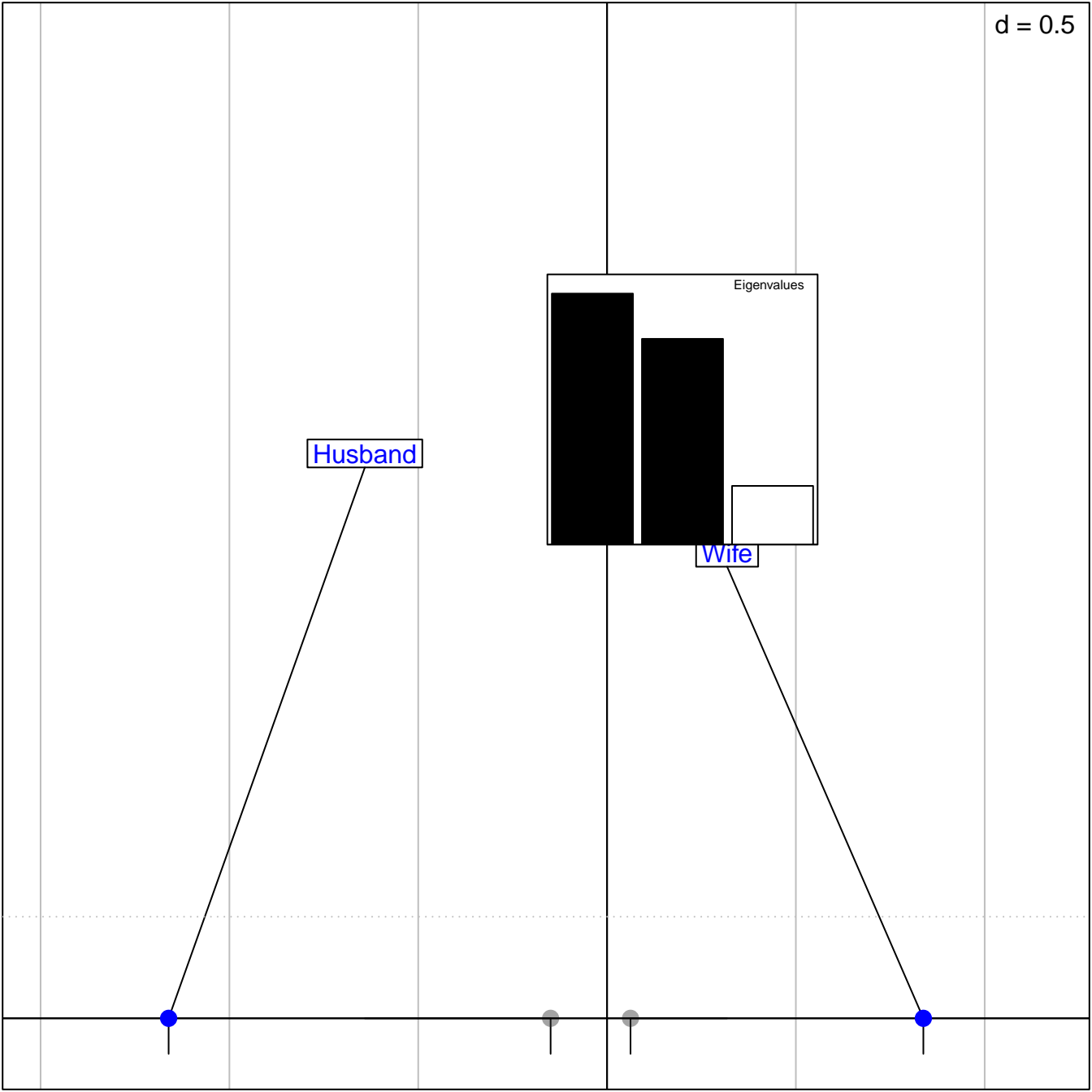
Eigenvalues

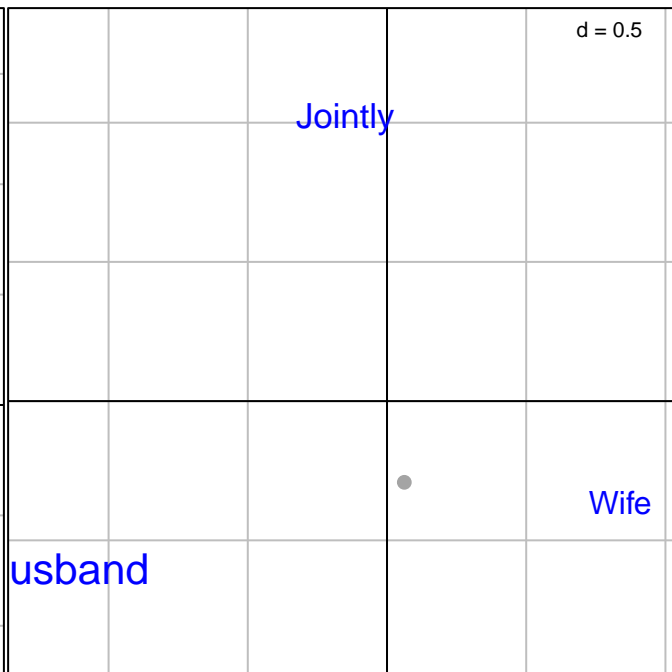
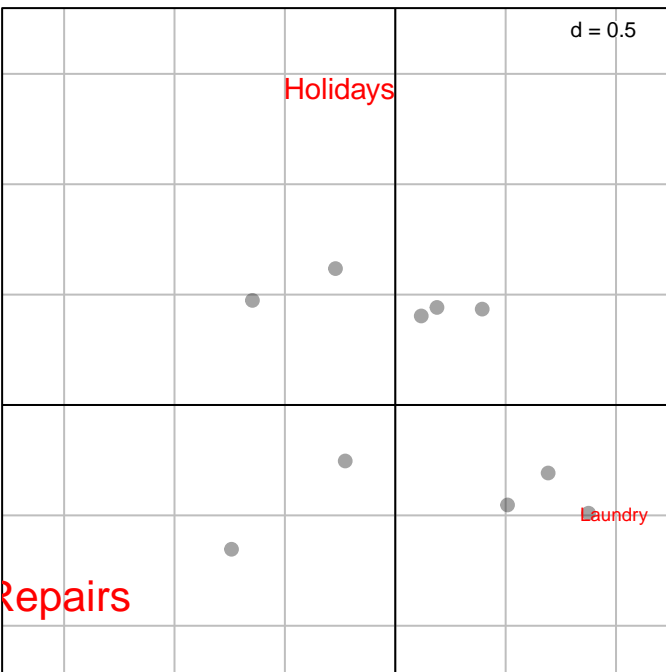


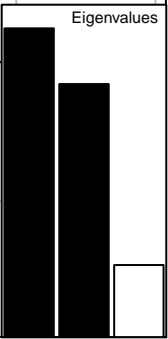
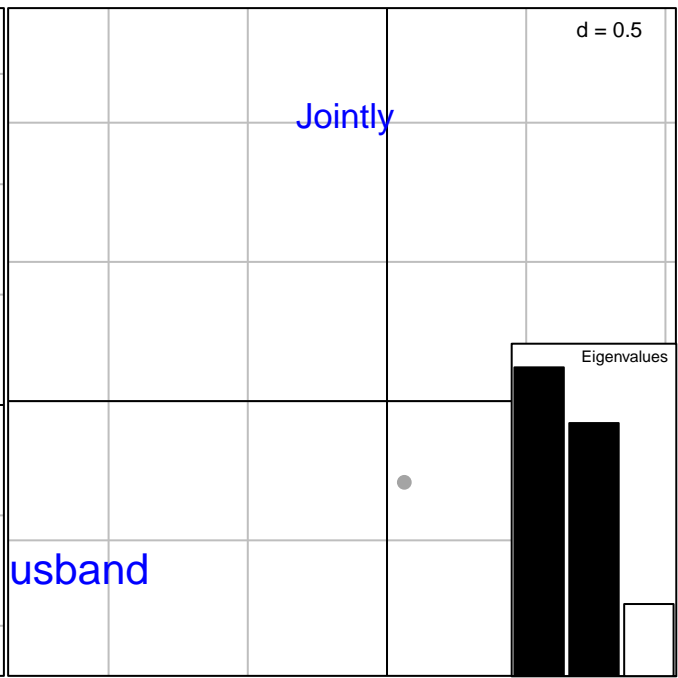
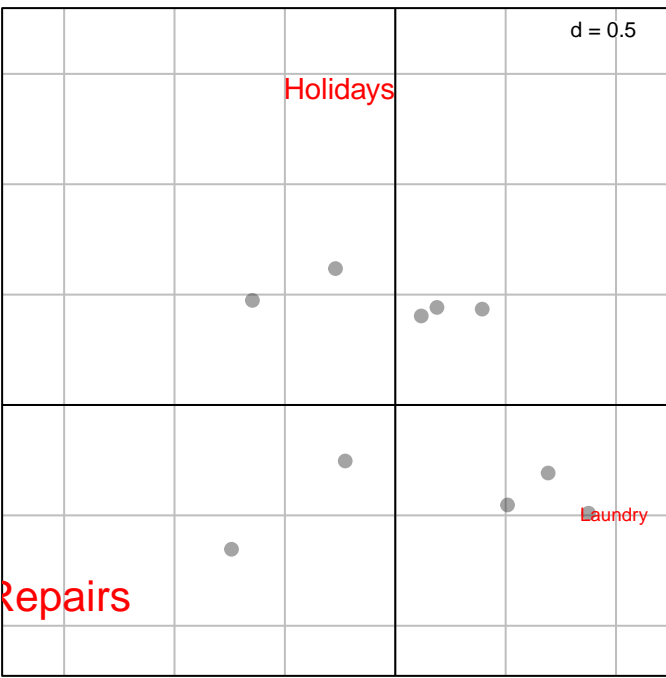
d = 0.5

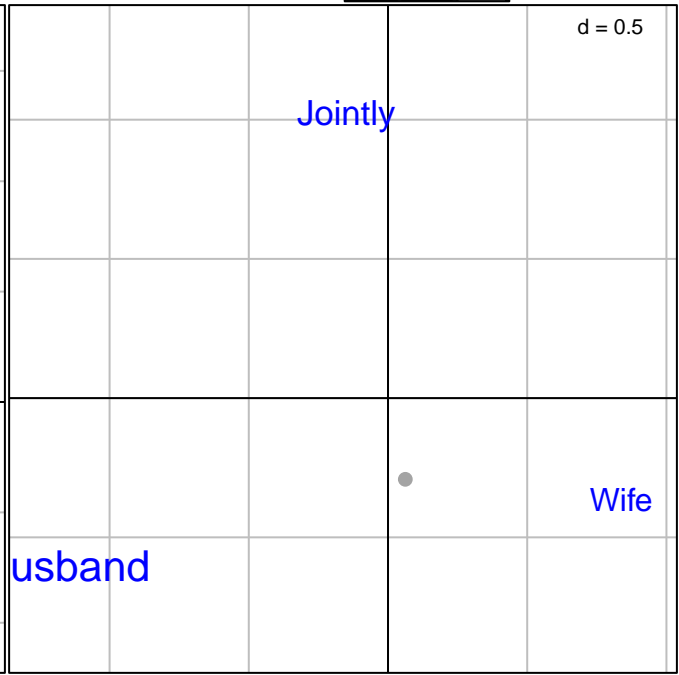
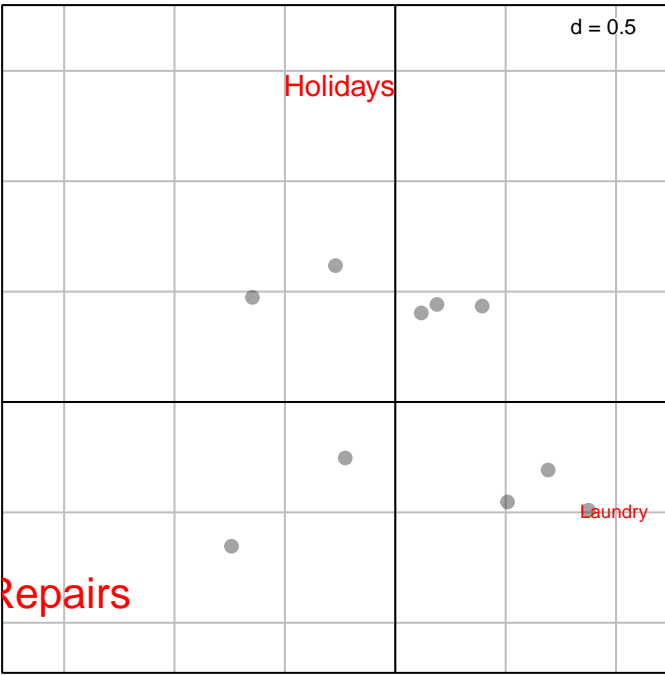
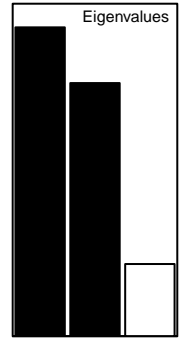


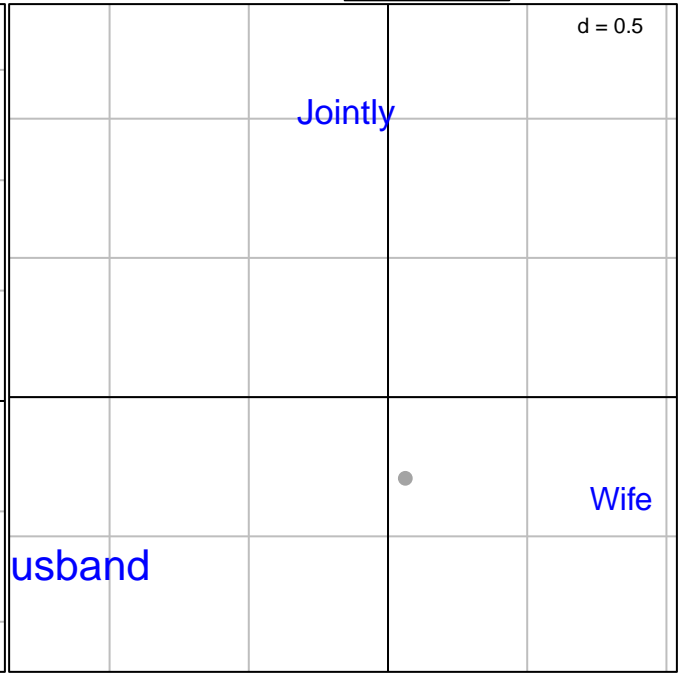
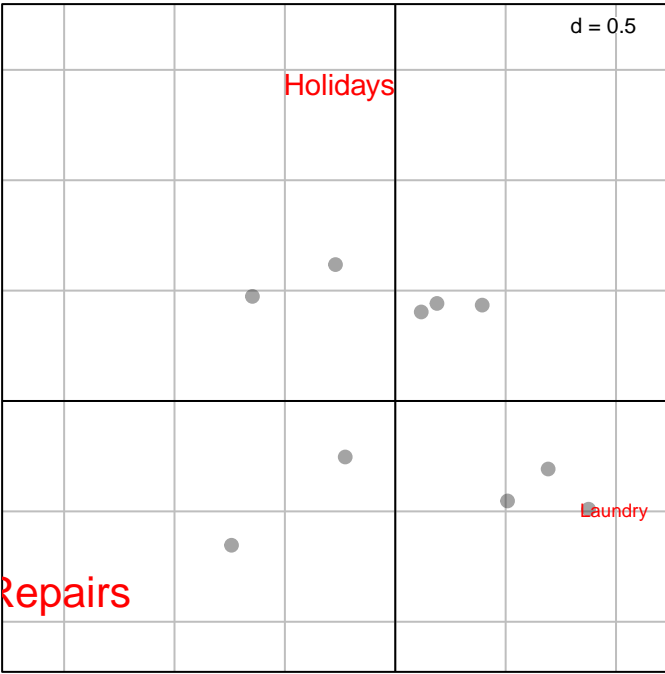
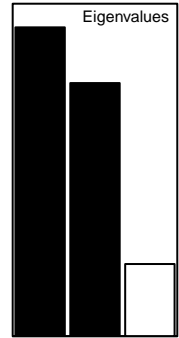
d = 0.5











d = 1

Repairs

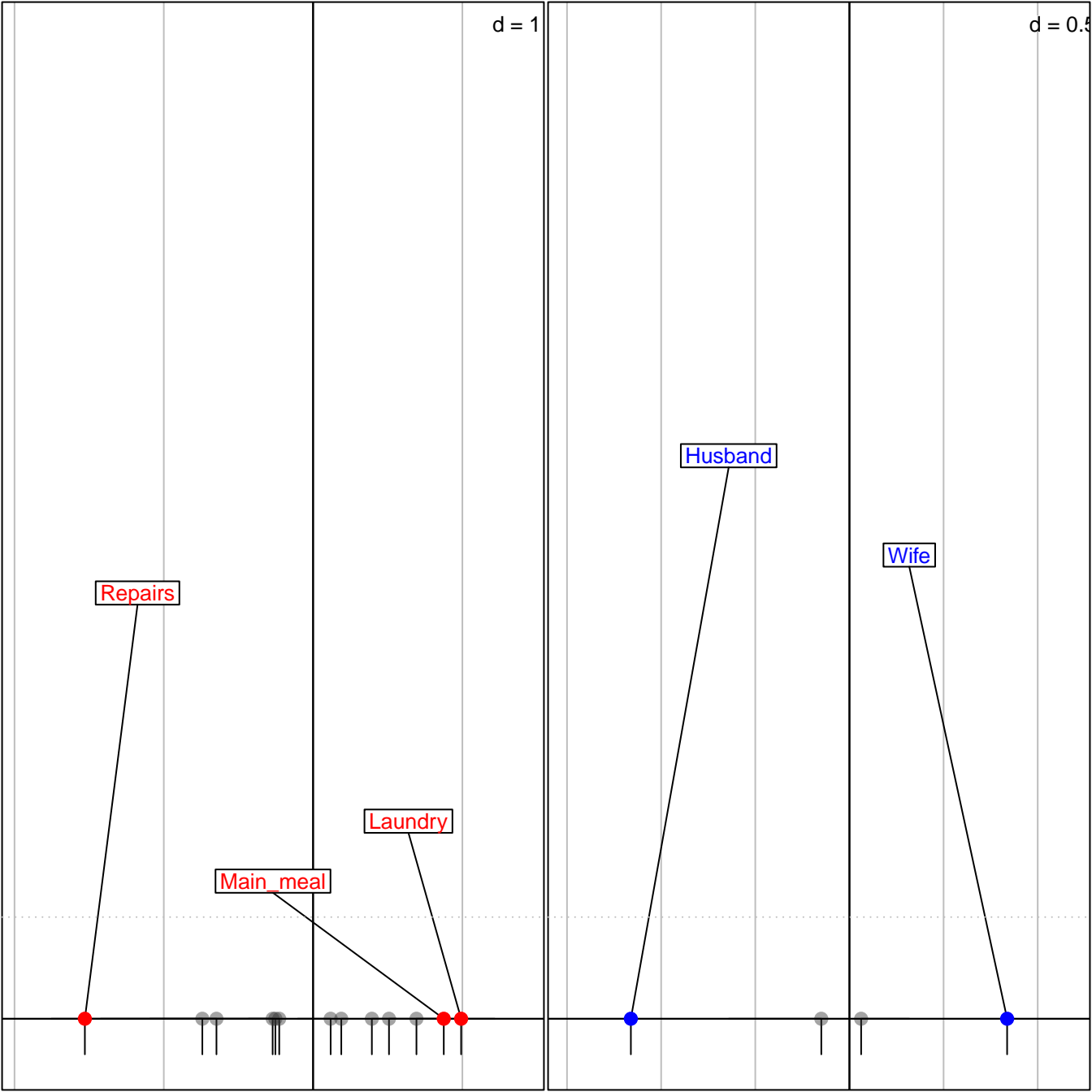
Main_meal

Laundry

d = 0.5

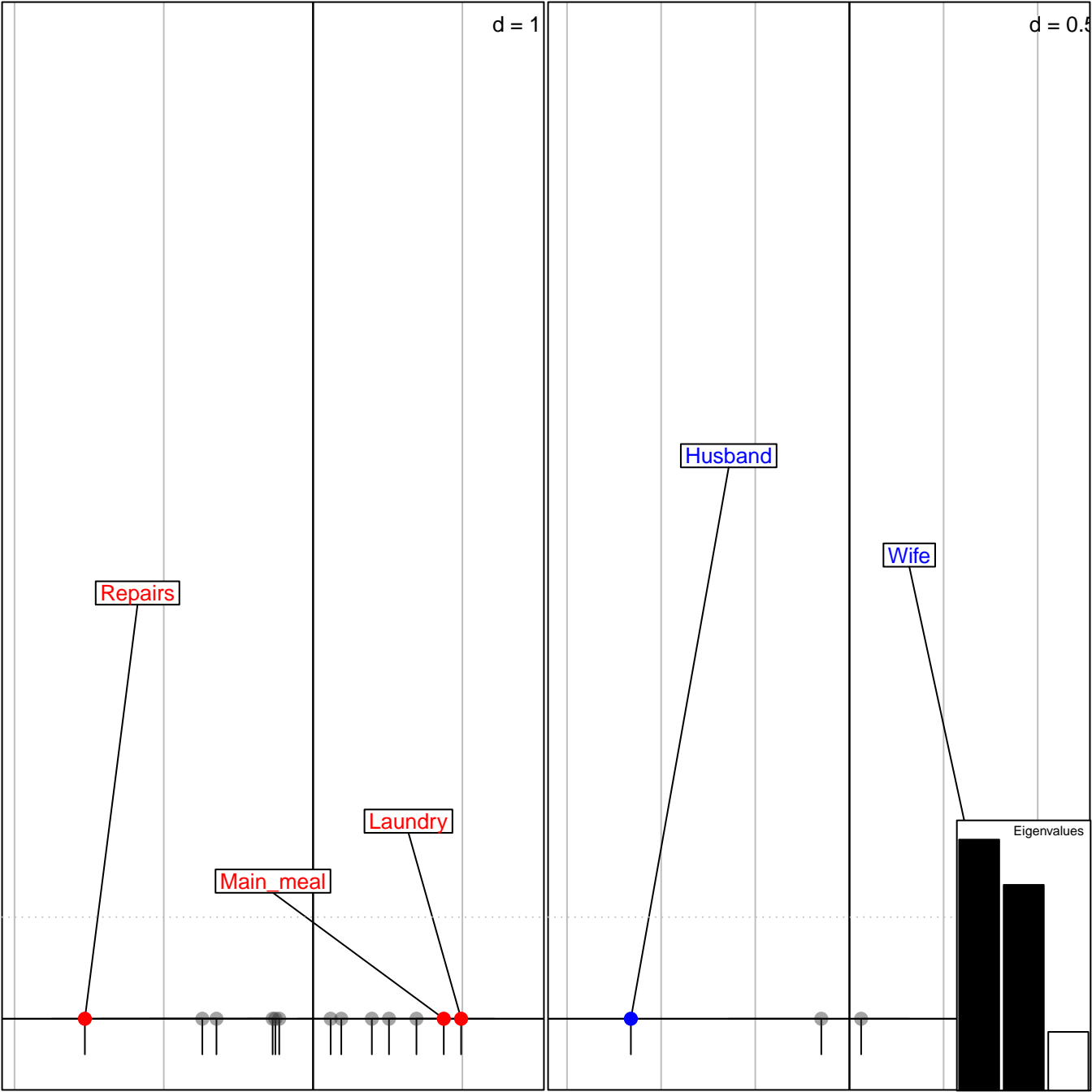
Husband

Wife



d = 1

d = 0.5



d = 1

Repairs

Main_meal

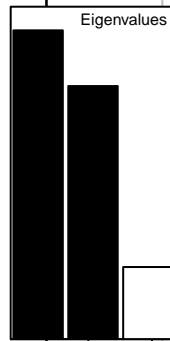
Laundry

d = 0.5

Husband

Wife

Eigenvalues



d = 1

Repairs

Main_meal

Laundry

d = 0.5

Husband

Wife

Eigenvalues

