

Valeur Propre

|        | eigenvalue | percentage of variance | cumulative percentage of variance |
|--------|------------|------------------------|-----------------------------------|
| dim 1  | 0.07       | 69.74                  | 69.74                             |
| dim 2  | 0.01       | 9.98                   | 79.72                             |
| dim 3  | 0          | 4.03                   | 83.75                             |
| dim 4  | 0          | 2.12                   | 85.86                             |
| dim 5  | 0          | 1.71                   | 87.57                             |
| dim 6  | 0          | 1.44                   | 89.02                             |
| dim 7  | 0          | 1.22                   | 90.24                             |
| dim 8  | 0          | 1.04                   | 91.28                             |
| dim 9  | 0          | 1.01                   | 92.29                             |
| dim 10 | 0          | 0.9                    | 93.18                             |
| dim 11 | 0          | 0.83                   | 94.01                             |
| dim 12 | 0          | 0.8                    | 94.81                             |
| dim 13 | 0          | 0.7                    | 95.51                             |
| dim 14 | 0          | 0.64                   | 96.14                             |
| dim 15 | 0          | 0.62                   | 96.76                             |
| dim 16 | 0          | 0.54                   | 97.31                             |
| dim 17 | 0          | 0.52                   | 97.83                             |
| dim 18 | 0          | 0.49                   | 98.32                             |
| dim 19 | 0          | 0.46                   | 98.78                             |
| dim 20 | 0          | 0.43                   | 99.21                             |
| dim 21 | 0          | 0.37                   | 99.59                             |
| dim 22 | 0          | 0.31                   | 99.89                             |
| dim 23 | 0          | 0.11                   | 100                               |

ACM Burt repr

|                     | Dim 1 | Dim 2 | Dim 3 | Dim 4 | Dim 5 |
|---------------------|-------|-------|-------|-------|-------|
| <i>urbain</i>       | 0.68  | 0.09  | 0.12  | 0     | 0     |
| <i>rural</i>        | 0.68  | 0.09  | 0.12  | 0     | 0     |
| <i>elec_No</i>      | 0.79  | 0.01  | 0.1   | 0     | 0     |
| <i>elec_Yes</i>     | 0.79  | 0.01  | 0.1   | 0     | 0     |
| <i>radio_No</i>     | 0.69  | 0.11  | 0.02  | 0     | 0.01  |
| <i>radio_Yes</i>    | 0.69  | 0.11  | 0.02  | 0     | 0.01  |
| <i>televi_No</i>    | 0.93  | 0.01  | 0     | 0.02  | 0     |
| <i>televi_Yes</i>   | 0.93  | 0.01  | 0     | 0.02  | 0     |
| <i>refri_No</i>     | 0.71  | 0.08  | 0.06  | 0.05  | 0.01  |
| <i>refri_Yes</i>    | 0.71  | 0.08  | 0.06  | 0.05  | 0.01  |
| <i>velo_No</i>      | 0.11  | 0.28  | 0     | 0.03  | 0.43  |
| <i>velo_Yes</i>     | 0.11  | 0.28  | 0     | 0.03  | 0.43  |
| <i>moto_No</i>      | 0.32  | 0.01  | 0.01  | 0.29  | 0.01  |
| <i>moto_Yes</i>     | 0.32  | 0.01  | 0.01  | 0.29  | 0.01  |
| <i>voit_No</i>      | 0.62  | 0.06  | 0.08  | 0.04  | 0.03  |
| <i>voit_Yes</i>     | 0.62  | 0.06  | 0.08  | 0.04  | 0.03  |
| <i>tel_mobi_No</i>  | 0.59  | 0.17  | 0.08  | 0.01  | 0.01  |
| <i>tel_mobi_Yes</i> | 0.59  | 0.17  | 0.08  | 0.01  | 0.01  |
| <i>montre_No</i>    | 0.81  | 0     | 0     | 0     | 0     |
| <i>montre_Yes</i>   | 0.81  | 0     | 0     | 0     | 0     |
| <i>ordi_No</i>      | 0.79  | 0.06  | 0.02  | 0.01  | 0     |
| <i>ordi_Yes</i>     | 0.79  | 0.06  | 0.02  | 0.01  | 0     |
| <i>t_agri_No</i>    | 0.1   | 0.46  | 0.25  | 0     | 0.02  |
| <i>t_agri_Yes</i>   | 0.1   | 0.46  | 0.25  | 0     | 0.02  |
| <i>f_anim_No</i>    | 0.01  | 0.62  | 0.14  | 0     | 0     |
| <i>f_anim_Yes</i>   | 0.01  | 0.62  | 0.14  | 0     | 0     |
| <i>mate_No</i>      | 0.62  | 0.18  | 0.08  | 0.02  | 0     |
| <i>mate_Yes</i>     | 0.62  | 0.18  | 0.08  | 0.02  | 0     |
| <i>lit_No</i>       | 0.5   | 0.31  | 0     | 0.03  | 0.04  |
| <i>lit_Yes</i>      | 0.5   | 0.31  | 0     | 0.03  | 0.04  |
| <i>table_No</i>     | 0.57  | 0.28  | 0.01  | 0.02  | 0.01  |
| <i>table_Yes</i>    | 0.57  | 0.28  | 0.01  | 0.02  | 0.01  |
| <i>canap_No</i>     | 0.93  | 0     | 0     | 0.01  | 0.01  |
| <i>canap_Yes</i>    | 0.93  | 0     | 0     | 0.01  | 0.01  |
| <i>poel_tra_No</i>  | 0.21  | 0.23  | 0.06  | 0.03  | 0.01  |
| <i>poel_tra_Yes</i> | 0.21  | 0.23  | 0.06  | 0.03  | 0.01  |
| <i>poele_No</i>     | 0.58  | 0.08  | 0.03  | 0.07  | 0.02  |
| <i>poele_Yes</i>    | 0.58  | 0.08  | 0.03  | 0.07  | 0.02  |
| <i>arm_No</i>       | 0.92  | 0.01  | 0.01  | 0     | 0     |
| <i>arm_Yes</i>      | 0.92  | 0.01  | 0.01  | 0     | 0     |
| <i>table_m_No</i>   | 0.82  | 0     | 0.05  | 0     | 0     |
| <i>table_m_Yes</i>  | 0.82  | 0     | 0.05  | 0     | 0     |
| <i>fer_rep_No</i>   | 0.94  | 0     | 0     | 0     | 0     |
| <i>fer_rep_Yes</i>  | 0.94  | 0     | 0     | 0     | 0     |
| <i>anten_No</i>     | 0.89  | 0.02  | 0.01  | 0.02  | 0     |
| <i>anten_Yes</i>    | 0.89  | 0.02  | 0.01  | 0.02  | 0     |

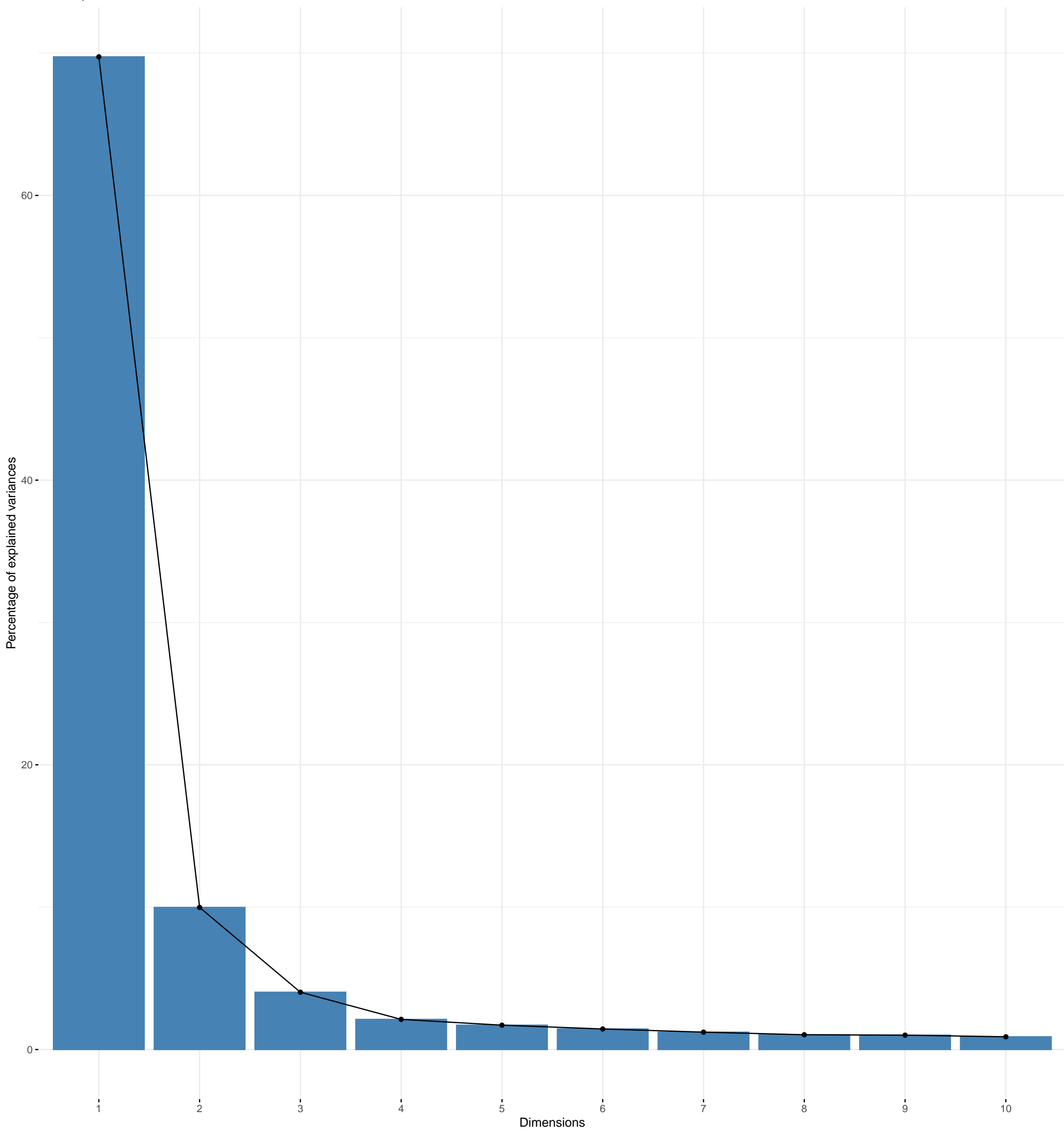
ACM Burt Contr

|                     | Dim 1 | Dim 2 | Dim 3 | Dim 4 | Dim 5 |
|---------------------|-------|-------|-------|-------|-------|
| <i>urbain</i>       | 3.23  | 3.04  | 9.95  | 0.4   | 0     |
| <i>rural</i>        | 0.93  | 0.87  | 2.86  | 0.11  | 0     |
| <i>elec_No</i>      | 2.47  | 0.16  | 5.52  | 0.03  | 0.24  |
| <i>elec_Yes</i>     | 2.98  | 0.19  | 6.67  | 0.04  | 0.29  |
| <i>radio_No</i>     | 1.65  | 1.83  | 0.63  | 0.1   | 1.05  |
| <i>radio_Yes</i>    | 2.42  | 2.68  | 0.93  | 0.15  | 1.54  |
| <i>televi_No</i>    | 1.31  | 0.09  | 0.01  | 0.78  | 0.22  |
| <i>televi_Yes</i>   | 8.28  | 0.58  | 0.05  | 4.88  | 1.4   |
| <i>refri_No</i>     | 0.12  | 0.09  | 0.18  | 0.25  | 0.07  |
| <i>refri_Yes</i>    | 4.36  | 3.5   | 6.57  | 9.31  | 2.76  |
| <i>velo_No</i>      | 0.04  | 0.81  | 0.03  | 0.35  | 7.4   |
| <i>velo_Yes</i>     | 0.29  | 5.28  | 0.21  | 2.29  | 48.49 |
| <i>moto_No</i>      | 0.02  | 0     | 0.01  | 0.73  | 0.03  |
| <i>moto_Yes</i>     | 1.04  | 0.18  | 0.39  | 31.5  | 1.3   |
| <i>voit_No</i>      | 0.06  | 0.04  | 0.14  | 0.12  | 0.11  |
| <i>voit_Yes</i>     | 3.24  | 2.35  | 7.55  | 6.42  | 5.69  |
| <i>tel_mobi_No</i>  | 2.28  | 4.56  | 5.18  | 1.12  | 2.05  |
| <i>tel_mobi_Yes</i> | 0.95  | 1.9   | 2.16  | 0.46  | 0.85  |
| <i>montre_No</i>    | 0.91  | 0.01  | 0     | 0.08  | 0.03  |
| <i>montre_Yes</i>   | 4.28  | 0.06  | 0.02  | 0.39  | 0.14  |
| <i>ordi_No</i>      | 0.29  | 0.15  | 0.11  | 0.17  | 0.04  |
| <i>ordi_Yes</i>     | 5.28  | 2.7   | 2.05  | 3.06  | 0.78  |
| <i>t_agri_No</i>    | 0.23  | 7.5   | 10.05 | 0.05  | 1.65  |
| <i>t_agri_Yes</i>   | 0.15  | 4.91  | 6.58  | 0.03  | 1.08  |
| <i>f_anim_No</i>    | 0.03  | 7.65  | 4.21  | 0.03  | 0.03  |
| <i>f_anim_Yes</i>   | 0.03  | 8.31  | 4.57  | 0.03  | 0.03  |
| <i>mate_No</i>      | 2.64  | 5.4   | 6.15  | 2.47  | 0.04  |
| <i>mate_Yes</i>     | 1.19  | 2.43  | 2.77  | 1.11  | 0.02  |
| <i>lit_No</i>       | 1.76  | 7.49  | 0.01  | 3.4   | 5.62  |
| <i>lit_Yes</i>      | 0.92  | 3.92  | 0.01  | 1.78  | 2.94  |
| <i>table_No</i>     | 2.2   | 7.58  | 0.51  | 3.07  | 2.21  |
| <i>table_Yes</i>    | 1.11  | 3.83  | 0.26  | 1.55  | 1.12  |
| <i>canap_No</i>     | 1.41  | 0.03  | 0     | 0.33  | 0.47  |
| <i>canap_Yes</i>    | 7.47  | 0.18  | 0.01  | 1.76  | 2.5   |
| <i>poel_tra_No</i>  | 0.18  | 1.37  | 0.85  | 0.73  | 0.19  |
| <i>poel_tra_Yes</i> | 0.54  | 4.09  | 2.53  | 2.17  | 0.56  |
| <i>poele_No</i>     | 0.06  | 0.06  | 0.05  | 0.27  | 0.07  |
| <i>poele_Yes</i>    | 2.76  | 2.58  | 2.09  | 11.52 | 2.93  |
| <i>arm_No</i>       | 1.02  | 0.04  | 0.13  | 0.12  | 0.22  |
| <i>arm_Yes</i>      | 7.17  | 0.28  | 0.91  | 0.84  | 1.54  |
| <i>table_m_No</i>   | 0.52  | 0     | 0.51  | 0.01  | 0.02  |
| <i>table_m_Yes</i>  | 5.24  | 0.02  | 5.16  | 0.11  | 0.19  |
| <i>fer_rep_No</i>   | 1.47  | 0.02  | 0.02  | 0.17  | 0.12  |
| <i>fer_rep_Yes</i>  | 7.45  | 0.09  | 0.11  | 0.87  | 0.62  |
| <i>anten_No</i>     | 0.67  | 0.1   | 0.11  | 0.41  | 0.11  |
| <i>anten_Yes</i>    | 7.33  | 1.04  | 1.2   | 4.44  | 1.22  |

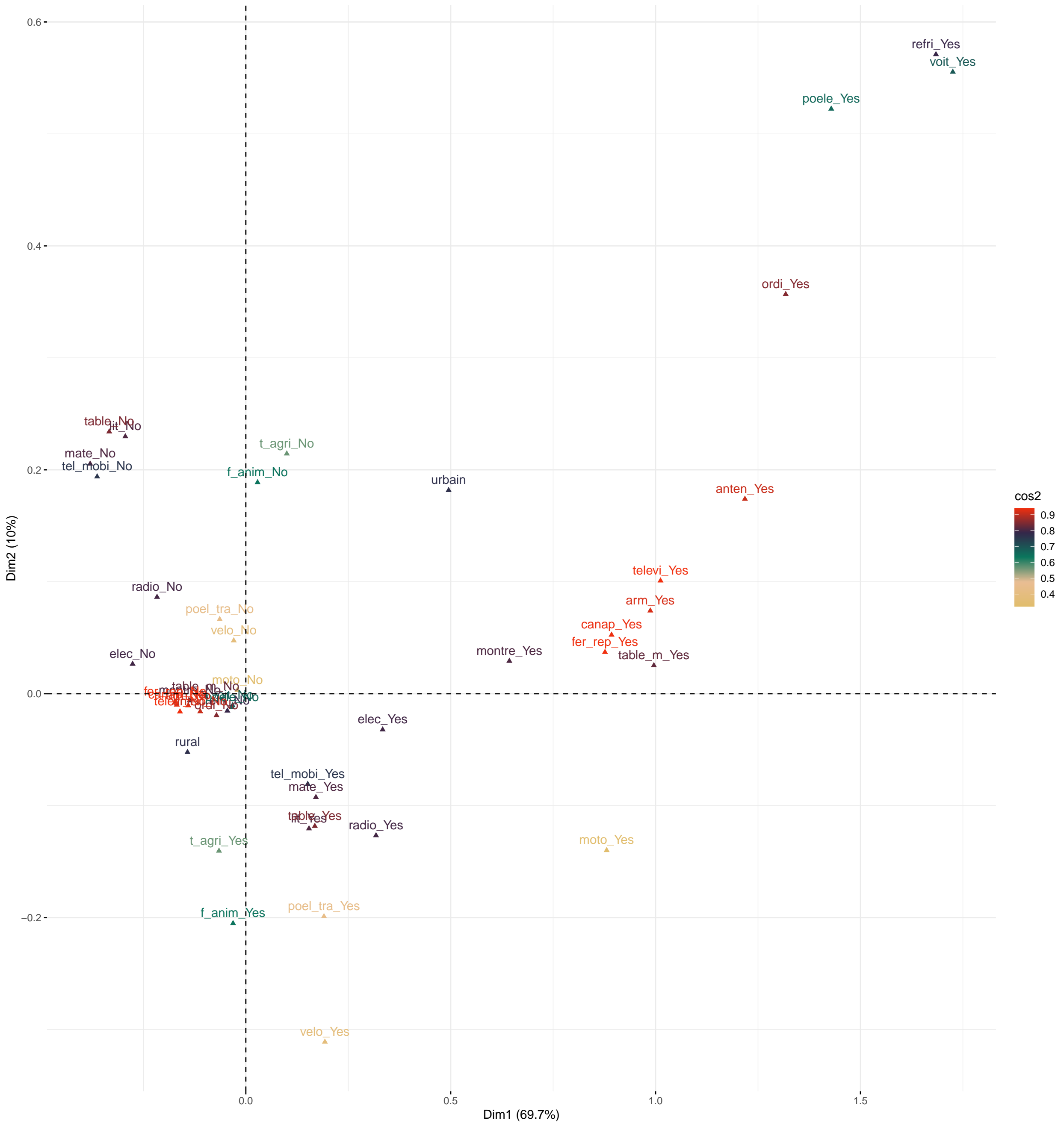
ACM Burt Coord

|                     | Dim 1 | Dim 2 | Dim 3 | Dim 4 | Dim 5 |
|---------------------|-------|-------|-------|-------|-------|
| <i>urbain</i>       | 0.49  | 0.18  | −0.21 | −0.03 | 0     |
| <i>rural</i>        | −0.14 | −0.05 | 0.06  | 0.01  | 0     |
| <i>elec_No</i>      | −0.28 | 0.03  | 0.1   | −0.01 | −0.01 |
| <i>elec_Yes</i>     | 0.33  | −0.03 | −0.12 | 0.01  | 0.02  |
| <i>radio_No</i>     | −0.22 | 0.09  | 0.03  | −0.01 | −0.03 |
| <i>radio_Yes</i>    | 0.32  | −0.13 | −0.05 | 0.01  | 0.04  |
| <i>televi_No</i>    | −0.16 | −0.02 | 0     | −0.02 | 0.01  |
| <i>televi_Yes</i>   | 1.01  | 0.1   | 0.02  | 0.14  | −0.07 |
| <i>refri_No</i>     | −0.05 | −0.02 | −0.01 | 0.01  | −0.01 |
| <i>refri_Yes</i>    | 1.68  | 0.57  | 0.5   | −0.43 | 0.21  |
| <i>velo_No</i>      | −0.03 | 0.05  | −0.01 | −0.01 | −0.06 |
| <i>velo_Yes</i>     | 0.19  | −0.31 | 0.04  | 0.09  | 0.39  |
| <i>moto_No</i>      | −0.02 | 0     | 0     | −0.02 | 0     |
| <i>moto_Yes</i>     | 0.88  | −0.14 | 0.13  | 0.84  | 0.15  |
| <i>voit_No</i>      | −0.03 | −0.01 | −0.01 | 0.01  | −0.01 |
| <i>voit_Yes</i>     | 1.73  | 0.56  | 0.63  | −0.42 | 0.36  |
| <i>tel_mobi_No</i>  | −0.36 | 0.19  | 0.13  | 0.04  | −0.05 |
| <i>tel_mobi_Yes</i> | 0.15  | −0.08 | −0.05 | −0.02 | 0.02  |
| <i>montre_No</i>    | −0.14 | −0.01 | 0     | −0.01 | 0     |
| <i>montre_Yes</i>   | 0.64  | 0.03  | 0.01  | 0.03  | −0.02 |
| <i>ordi_No</i>      | −0.07 | −0.02 | −0.01 | 0.01  | 0     |
| <i>ordi_Yes</i>     | 1.32  | 0.36  | 0.2   | −0.17 | 0.08  |
| <i>t_agri_No</i>    | 0.1   | 0.21  | −0.16 | 0.01  | 0.04  |
| <i>t_agri_Yes</i>   | −0.07 | −0.14 | 0.1   | −0.01 | −0.03 |
| <i>f_anim_No</i>    | 0.03  | 0.19  | −0.09 | 0.01  | 0     |
| <i>f_anim_Yes</i>   | −0.03 | −0.21 | 0.1   | −0.01 | −0.01 |
| <i>mate_No</i>      | −0.38 | 0.21  | 0.14  | 0.06  | −0.01 |
| <i>mate_Yes</i>     | 0.17  | −0.09 | −0.06 | −0.03 | 0     |
| <i>lit_No</i>       | −0.29 | 0.23  | −0.01 | 0.07  | 0.08  |
| <i>lit_Yes</i>      | 0.15  | −0.12 | 0     | −0.04 | −0.04 |
| <i>table_No</i>     | −0.33 | 0.23  | 0.04  | 0.07  | 0.05  |
| <i>table_Yes</i>    | 0.17  | −0.12 | −0.02 | −0.03 | −0.03 |
| <i>canap_No</i>     | −0.17 | −0.01 | 0     | −0.01 | 0.02  |
| <i>canap_Yes</i>    | 0.89  | 0.05  | 0.01  | 0.08  | −0.08 |
| <i>poel_tra_No</i>  | −0.06 | 0.07  | −0.03 | −0.02 | −0.01 |
| <i>poel_tra_Yes</i> | 0.19  | −0.2  | 0.1   | 0.07  | 0.03  |
| <i>poele_No</i>     | −0.03 | −0.01 | −0.01 | 0.01  | −0.01 |
| <i>poele_Yes</i>    | 1.43  | 0.52  | 0.3   | −0.51 | 0.23  |
| <i>arm_No</i>       | −0.14 | −0.01 | −0.01 | −0.01 | 0.01  |
| <i>arm_Yes</i>      | 0.99  | 0.07  | 0.08  | 0.06  | −0.07 |
| <i>table_m_No</i>   | −0.1  | 0     | −0.02 | 0     | 0     |
| <i>table_m_Yes</i>  | 1     | 0.03  | 0.24  | 0.03  | −0.03 |
| <i>fer_rep_No</i>   | −0.17 | −0.01 | 0     | −0.01 | 0.01  |
| <i>fer_rep_Yes</i>  | 0.88  | 0.04  | 0.03  | 0.05  | −0.04 |
| <i>anten_No</i>     | −0.11 | −0.02 | −0.01 | −0.02 | 0.01  |
| <i>anten_Yes</i>    | 1.22  | 0.17  | 0.12  | 0.17  | −0.08 |

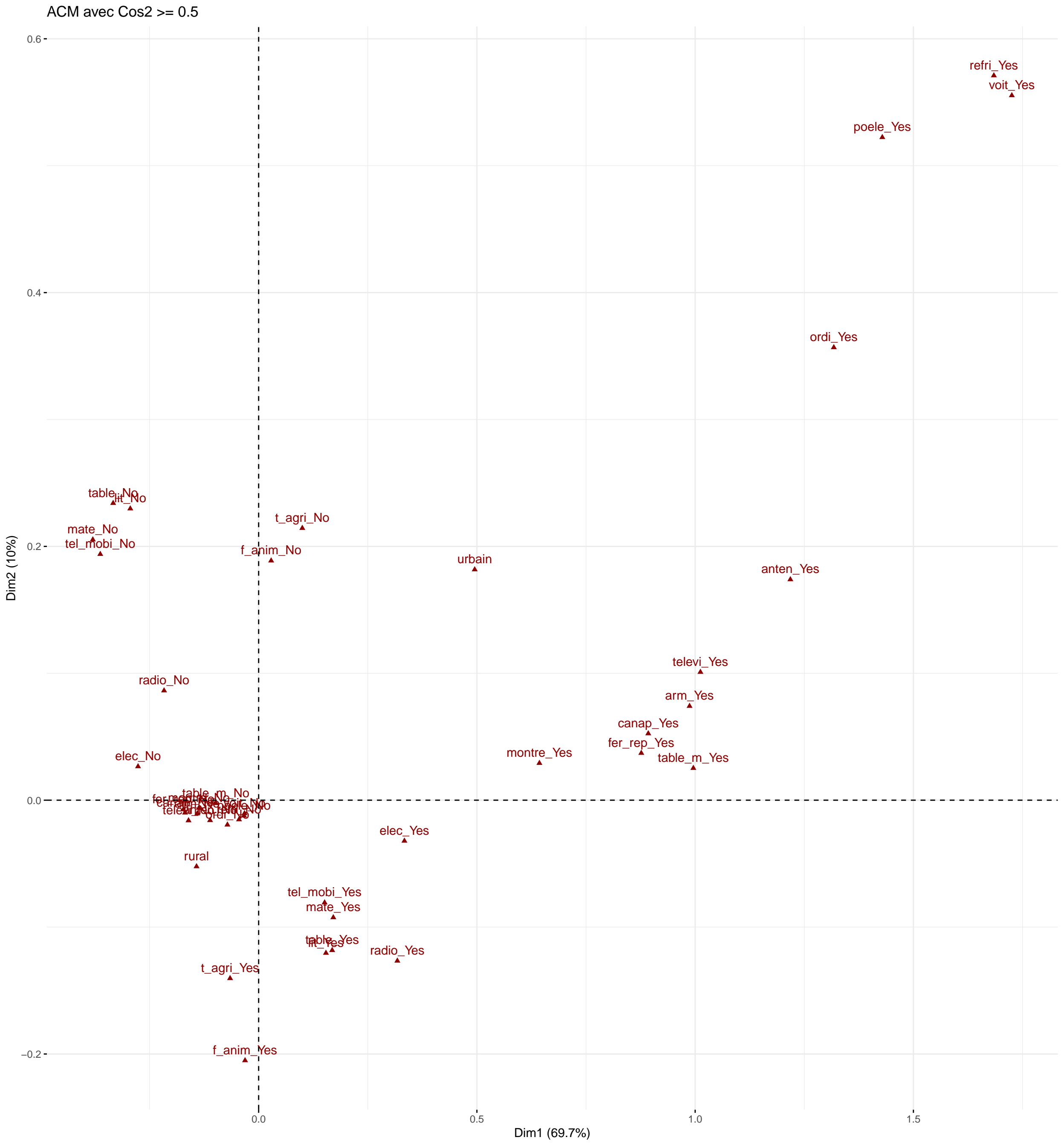
Scree plot



## Variable categories – MCA



ACM avec Cos2 >= 0.5



MCA factor map

