# Statistical Explanations of the 

## EuLaViBar Scaling System

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european language diversity for all

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## 1 How to calculate the EuLaViBar scores?

The EuLaViBar consists of four different scores according to main focus areas: Capacity, Opportunity, Desire and Language Products. All focus area scores contain numeric values obtained from structured questions (i.e. numeric variables). Here we give examples on how to derive scores for each focus area and more exactly for each dimension (Legislation, Education, Media and Language Use and Interaction) inside the focus areas.

In addition, the Intergenerational Language Transmission is presented. Here we give the general description how to calculate each of the scores. The exact algorithms may be obtained from the University of Mainz.

In general, the numeric variables are treated question by question. Some questions contain a lot of sub-questions while some do not. Since the barometer score value range is restricted to $[0,4]$ many questions $h$ to be recoded accordingly.

## 2 Questions which are included in the EuLaViBar

Note: Language $\mathbf{X}$ is the minority language subject to the study
Language $\mathbf{Y}$ is the majority language in the country (or area)

Q06 What is/are your mother tongue(s) (the language(s) you learned first)? If you have more than one language which you would call your mother tongue/first language, you can select more than one option.
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square \quad$ Other language(s), please specify:

Recoding: Scaling depends on the answers of the respondents: if the MinLg is the only mother tongue $=4$ points, else if MinLG and MajLG or MinLG and some other language are both mother tongues=3, if MinLG was not learnt at all=0, missing otherwise.

Q07 Where have you learnt language $X$ ? (You can select more than one option.)
$\square \quad$ at home (from my mother, my father, my grandparents, or somebody else in my childhood family)
$\square$ from friends, neighbours, spouse/partner, or colleagues
$\square$ at school or in a language course
$\square$ in another way, please specify: $\qquad$
$\square \quad$ not at all.

Recoding: Scaling depends on the answers of the respondents: if the MinLg was learnt both at home and school and from friends etc. $=4$ points,
else if MinLg was learnt both at home and school = 3 points
else if it was learnt at school and from friends or some other instance, or at home and from friends or some other instance $=2$ points, else if one of the alternatives were crossed $=1$ point if not learnt at all $=0$, missing otherwise.

Q08 What language(s) did/do your grandparents on your mother's side use with you? (You can select more than one option.) (You can select more than one option.)
$\square \quad$ not applicable (my mother's parents were not alive or present in my life)
$\square \quad \mathrm{x}$
$\square \quad Y$
$\square$ Other language(s), please specify:
$\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG were both used $=3$, if MajLG or other was only used=0, missing otherwise.

Q09 What language(s) did/does your grandparents on your father's side use with you? (You can select more than one option.)
$\square \quad$ not applicable (my father's parents were not alive or present in my life)
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square$ Other language(s), please specify:

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG were both used $=3$, if MajLG or other was only used $=0$, missing otherwise.

Q10 What language(s) do/did your parents use between themselves? (If applicable, you can select more than one option.)
$\square \quad$ Not applicable
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square$ Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used= 3 ,
if MajLG or other was only used=0, missing otherwise.

Q11 What language(s) did your mother use with you in childhood? (If applicable, you can select more than one option.)
$\square \quad$ Not applicable
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square \quad$ Other language(s), please specify:

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used = 4 points, else if MinLG and MajLG, or MinLG and some other language were both used $=3$,
if MajLG or other was only used=0, missing otherwise.

Q12 What language(s) does your mother use with you now? (If applicable, you can select more than one option.)
$\square \quad$ Not applicable
$\square$ X
$\square \quad Y$
$\square \quad$ Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used $=$ 3,
if MajLG or other was only used=0, missing otherwise.

Q13 What language(s) did your father use with you in childhood? (If applicable, you can select more than one option.)Not applicableX
$\square \quad Y$
$\square$ Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points,
else if MinLG and MajLG, or MinLG and some other language were both used $=3$,
if MajLG or other was only used=0, missing otherwise.

Q14 What language(s) does your father use with you now? (If applicable, you can select more than one option.)
$\square \quad$ Not applicable
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square \quad$ Other language(s), please specify:

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used = 4 points, else if MinLG and MajLG, or MinLG and some other language were both used $=3$,
if MajLG or other was only used=0, missing otherwise.

Q15 What language(s) did you / do you normally use with your siblings? (You can select more than one option.)
a. in your childhood:
$\square \quad$ not applicable (I had no siblings or no contacts with my siblings)
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square \quad$ Other language(s), please specify: $\qquad$
b. now:
$\square \quad$ not applicable (I have no siblings or no contacts with my siblings)X
$\square \quad Y$Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents: if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used $=3$, if MajLG or other was only used $=0$, missing otherwise.
Note: Q15a and Q15b scaled separately.
Q15=(Q15a+Q15b)/2

Q16 What language(s) do you normally use with your current spouse/partner? (You can select more than one option.)
$\square \quad$ not applicable (I don't have a spouse or a partner)
$\square \quad \mathrm{X}$
$\square \quad Y$
$\square$ Other language(s), please specify:

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used $=$ 3,
if MajLG or other was only used $=0$, missing otherwise.

Q17 What language(s) do you normally speak with your children? (You can select more than one option.)
$\square \quad$ not applicable (I don't have children)
$\square \quad \mathrm{X}$
$\square \quad$ Y
$\square$ Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used = 3, if MajLG or other was only used $=0$, missing otherwise.

Q18 What language(s) do you normally speak with your grandchildren? (You can select more than one option.)
$\square \quad$ not applicable (I don't have grandchildren)
$\square \mathrm{X}$
$\square \quad Y$
$\square$ Other language(s), please specify: $\qquad$

Recoding: Scaling depends on the answers of the respondents:
if the MinLg was only used $=4$ points, else if MinLG and MajLG, or MinLG and some other language were both used $=3$, if MajLG or other was only used $=0$, missing otherwise.

Q19 When you were a child, did you ever notice that somebody tried to prevent your parents from using language $X$ with you?
$\square$ Don't $\quad \square \quad$ No. $\square \quad$ Yes. The people who thought that parents shouldn't use remember. language $X$ were (you can select more than one option):
$\square$ family members or relatives.
$\square \quad$ school personnel.
$\square$ others.

Recoding: If 'Yes' then value $=0$,
if " No " then value $=4$, otherwise missing.

Q20 Do any persons or institutions today claim that parents should not use language $X$ with children?Don't know.
$\square$ No.
$\square$ Some perhaps, but that's an exception rather than the rule.
$\square \quad$ Yes, I think it is not unusual.

Recoding: If 'Yes' then value $=0$, else if "Some" then value $=2$, if " No " then value $=4$, otherwise missing.

Q21 In the schools you attended, what language was the teaching medium (the language in which all the subjects, such as mathematics or geography, were taught)?
$\square \quad \mathrm{Y}$ only (all teaching, except possibly the language classes, was in Y )
$\square \quad \mathrm{X}$ only (all teaching, except possibly the language classes, was in X )
$\square \quad \mathrm{X}$ in part of the classes (except language classes) or in part of the schools I attended. The other language(s) used in the teaching was/were
$\square$ other language(s), please specify which:

[^0]Recoding: Recoding by:
If "X only" then value $=4$,
else if " $X$ in part" then value $=2$,
if "Y only" or "Other language(s) only" then value $=0$, missing otherwise.

Q22 Did you have X language classes ( X as a subject, as mother tongue or as a foreign language) in school?

| In pre-school (kindergarten): | $\square$ | No | $\square$ | Yes |
| :--- | :--- | :--- | :--- | :--- |
| In primary school: | $\square$ | No | $\square$ | Yes |
| In secondary/vocational school: | $\square$ | No | $\square$ | Yes |

Recoding: originally coded by [0,1]. Recoding by " $\mathrm{No}^{\prime \prime}=0$, " Yes " $=4$, other values missing All sub-questions taken separately
Scoring: $\quad$ Q22 $=(Q 22 a+Q 22 b+Q 22 c) / 3$

Q23 How would you evaluate your own knowledge of language $X$ ? Please tick the appropriate boxes.

|  | Perfectly <br> (without any <br> difficulties) | Well | Fairly well | Poorly | Not at all |
| :--- | :---: | :---: | :---: | :---: | :---: |
| I can speak language X | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| I understand language X | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| (when spoken) | $\square$ can write in language X | $\square$ | $\square$ | $\square$ | $\square$ |
| I can read in language X | $\square$ | $\square$ | $\square$ | $\square$ |  |
| Recoding: $\quad$original codes "Perfectly"=4,..., "Not at all"=0 used as such, other missing. <br> all sub-questions Q23a--Q23 taken to the EuLaViBar by their original scores |  |  |  |  |  |
| Scoring: $\quad$Q23=Q23a+Q23b+Q23c+Q23d |  |  |  |  |  |

Q24 Indicate how often you use language $X$ in the following contexts. If the question doesn't apply to you at all (if you don't use any language in that context: for instance, you never have any contacts with your relatives in any language, or you never attend church services in any language), select the last option ("The question doesn't apply to me").

|  | Regularly | sometimes | never | The question doesn't apply <br> to me |
| :--- | :---: | :---: | :---: | :--- |
| Home | $\square$ | $\square$ | $\square$ | $\square$ I I live alone |

*By "community events" we refer to events in your local community, such as club evenings or cultural festivals in your village/town/suburb.
** You can add occasions of your own choice.

Recoding: If "Regularly"=4, "Sometimes" $=2$, "Never" $=0$, other missing
all sub-questions of language $X$ taken separately
Scoring: $\quad$ Q24 $=(\mathrm{Q} 24 \mathrm{a}+\ldots+\mathrm{Q} 24 \mathrm{I}) / 12$

Q25 When you were a child, did your parents encourage you to use language $X$ ?
$\square$ No. $\square$ Yes.

Recoding: code for "Yes" $=4$, " No " $=0$, other missing

Q26 Do you try to make your children learn and use language X?
$\square \quad$ I don't have children.
$\square \quad$ I do not try to make my children learn and use $X$.
$\square \quad$ I try (I have tried) to make my children learn and use $X$. Specify how (you can select more than one option):
$\square \quad$ I try to talk to them in $X$ as much as possible.
$\square \quad$ I request or encourage them to talk to me in X .
$\square \quad$ I play with them in $X$ or read books to them in $X$.
$\square \quad$ I try to give them $X$-language books to read, videos to watch, games to play etc.
$\square \quad$ I try to organise $X$-language activities for them or take them to the company of $X$ -
speakers.
$\square \quad I$ encourage them to study language $X$ e.g. at school or on a language course.
$\square$ Some other way, please specify:

Recoding: code for "I try" $=4$, "I do not try" $=0$, other missing

Q27 It is usual that people of a certain age or sex prefer using a certain language rather than another. Indicate how much you agree with the following statements:

| I totally | I agree | Difficult to | I don't quite | I don't agree |
| :---: | :---: | :---: | :---: | :---: |
| agree | say | agree | at all |  |

Most people think that young boys should use language $X$
Most people think that young girls should use language $X$
Most people think that adult men should use language $X$

Most people think that adult women should use language $X$

Recoding: codes for "I totally agree"=4,..., "I don't agree at all"=0, other missing.
Scoring: $\quad \mathrm{Q} 27=(\mathrm{Q} 27 \mathrm{a}+\ldots+\mathrm{Q} 27 \mathrm{~d}) / 4$

Q28 Here are some statements about speakers of language $X$. Indicate how much you agree with each of them:

| I totally | I agree | Difficult to | I don't quite I don't agree |
| :---: | :---: | :---: | :---: |
| agree | say | agree | at all |

It is easy to make friends with a speaker of language $X$
It is easy to get acquainted with a speaker of language $X$

It is easy to work together with a speaker of language $X$
It is easy to spend your leisure time with a speaker of language $X$

Recoding: codes for "I totally agree" $=4, \ldots$, "I don't agree at all" $=0$, other missing.
Scoring: $\quad \mathrm{Q} 28=(\mathrm{Q} 28 \mathrm{a}+\ldots+\mathrm{Q} 28 \mathrm{~d}) / 4$

Q29 What is your opinion on the use of language $X$ in the public sphere in the country you are living in? Indicate how much you agree with the following statements:

| I totally | I agree | Difficult to | I don't quite | I don't agree |
| :---: | :---: | :---: | :---: | :---: |
| agree |  | say | agree | at all |

Language $X$ should be used on TV
Language $X$ should be used at
police stations
Language $X$ should be used in the parliament
Language $X$ should be used in hospitals
Language $X$ should be used in court

Language $X$ should be used on the Internet

Language $X$ should be used in the education system

Recoding: codes for "I totally agree" $=4, \ldots$, "I don't agree at all" $=0$, other missing.
Scoring: $\quad \mathrm{Q} 29=(\mathrm{Q} 29 \mathrm{a}+\ldots+\mathrm{Q} 29 \mathrm{~g}) / 7$

Q30 Do you think that the legislation in your country supports the use of language $X$ ?
$\square \quad$ NoYesPartlyDon't know

Recoding: codes for "No"=0, "Partly" $=2$, "Yes" $=4$, other missing

Q31 Do you think that the legislation in your country prevents the use of language $X$ ?YesPartlyDon't know
Recoding: $\quad$ codes for "Yes" $=0, "$ Partly" $=2, " N o "=4$, other missing

Q32 Are the laws concerning languages and their use available in language X ?
$\square \quad$ No
$\square \quad$ Yes
$\square$ Partly
$\square$ Don't know

Recoding: codes for "No"=0, "Partly" $=2$, "Yes" $=4$, other missing

Q33 Is there any legislation about the use of language X in schools?
$\square$ NoYesPartlyDon't know

Recoding: codes for "No" $=0$, "Partly" $=2$, "Yes" $=4$, other missing

Q34 What is your opinion on the role of language $X$ in the labour market? Indicate how much you agree with the following statements:

| I totally | I agree | Difficult to | I don't quite | I don't agree |
| :---: | :---: | :---: | :---: | :---: |
| agree | say | agree | at all |  |

Competence in language $X$
facilitates finding a job
Competence in language $X$
facilitates getting a higher salary
Competence in language $X$
facilitates advancing in your career
Competence in language $X$ facilitates changing into a new job

Recoding: codes for "I totally agree" $=4, \ldots$, "I don't agree at all" $=0$, other missing.
Scoring: $\quad \mathrm{Q} 34=(\mathrm{Q} 34 \mathrm{a}+\ldots+\mathrm{Q} 34 \mathrm{~d}) / 4$

Q35 Do you know of institutions or people who cultivate (develop, promote and regulate) language $X$ in your country?
$\square$ No $\square \quad$ Yes

Recoding: codes for "No" $=0$, "Yes" $=4$, other missing.

Q36 Do you have the feeling that using language $X$ in many situations of life is more difficult than using language $Y$ ?
$\square$ No $\square \quad$ Yes, often $\quad \square$ Sometimes

Recoding: codes for "Yes, often" $=4$, "Sometimes" $=2, " N o "=0$, other missing.

Q37 Do you think that language X should be developed (for instance: new words, better spelling or writing, clearer rules...) so that it could better be used in all kinds of situations?
$\square$ No $\square \quad$ Yes, often $\square \quad$ Difficult to say

Recoding: codes for " No " $=0$, " Yes " $=4$, other missing.

Q38 Are attempts being made to save language $X$ in these days?Don't knowNo

Recoding: codes for "No" $=0$, "Yes" $=4$, other missing.

Q39 Is language X used in the following domains (in your country/region)?

|  | yes | No | Don't know |
| :--- | :---: | :---: | :---: |
| Parliament | $\square$ | $\square$ | $\square$ |
| Police office | $\square$ | $\square$ | $\square$ |
| Tax office | $\square$ | $\square$ | $\square$ |
| Health insurance office | $\square$ | $\square$ | $\square$ |
| Employment office | $\square$ | $\square$ | $\square$ |
| Hospitals | $\square$ | $\square$ | $\square$ |
| Courts | $\square$ | $\square$ | $\square$ |
| Ministries | $\square$ | $\square$ | $\square$ |
| Regional and municipal offices | $\square$ | $\square$ | $\square$ |
| Education | $\square$ | $\square$ | $\square$ |
| Printed media (newspapers etc.) | $\square$ | $\square$ | $\square$ |
| Radio | $\square$ | $\square$ | $\square$ |
| TV | $\square$ | $\square$ | $\square$ |
| Advertisements in public spaces | $\square$ | $\square$ | $\square$ |
| Advertisements (commercials) in media | $\square$ | $\square$ | $\square$ |
| Recoding: $\quad$ codes for "No"=0, "Yes"=4, other missing. |  | $\square$ | $\square$ |
| Scoring: $\quad$ Q39 = (Q39a + .. + Q39o)/15 |  | $\square$ | $\square$ |

Q40 Please answer the following questions about your media use by ticking the appropriate boxes. If your answer is "yes", select also one of the options "regularly", "sometimes", or "never".
a. Are newspapers available to you in language $X$ ?
$\square \quad$ No

- Don't know

Yes, I know of the following: $\qquad$
and I read newspapers in language $X$
$\square$ regularlysometimesnever
b. Are books available to you in language $X$ ?
$\square \quad$ No
$\square \quad$ Don't know
$\square \quad$ Yes, and I read books in language $X$
$\square \quad$ regularlysometimesnever
c. Are there theatre performances or concerts in language $X$ in your home region?
$\square \quad$ No
$\square$ Don't know
$\square \quad$ Yes, and I attend them
$\square \quad$ regularlysometimesnever
d. Are regular radio broadcasts in language $X$ available to you?
$\square \quad$ No
$\square \quad$ Don't know

Yes, I know of the following: $\qquad$
and I listen to radio programmes in language $X$regularlysometimesnever
e. Are regular TV broadcasts in language $X$ available to you?
$\square \quad$ No
$\square \quad$ Don't know

Yes, I know of the following:
$\qquad$ and I watch to TV programmes in language $X$regularlysometimesnever
f. Are music CDs in language $X$ available to you?NoDon't know
$\square \quad$ Yes, and I listen to CDs in X
$\square$ regularlysometimesnever
g. Are films in language $X$ available to you (on DVD, on TV, in the cinema)?
$\square \quad$ No
$\square \quad$ Don't know
$\square \quad$ Yes, and I watch films in $X$
$\square$ regularlysometimesnever
h. Are Internet contents (webpages, newspages, blogs etc.) in language $X$ available to you?
$\square \quad$ Don't know
$\square \quad$ Yes, and I read X-language webpagesregularlysometimesnever
i. Is computer software in language $X$ available to you?NoDon't knowYes, and I use X-language softwareregularlysometimesnever
j. Do you write e-mails?NoYes, and I write e-mails in language Xregularlysometimesnever
k. Do you write text messages (SMS)?
$\square \quad$ NoYes, and I write text messages in language X
$\square$ regularlysometimesnever
I. Do you use social media (Facebook, Twitter, chatrooms, Internet discussion boards, etc.)?
$\square \quad$ No
$\square \quad$ Yes, and I use language $X$ in social $\square$ regularlysometimesnever media
m. Do you play interactive Internet games?NoYes, and $I$ use language $X$ in playingregularlysometimesnever

Recoding: recode sub-questions differently for Focus Areas as follows:

Capacity: If the answer is "Yes" with "Regularly" or "Sometimes" then the value $=4$, else if the answer is "Yes" with "Never" then the value $=0$, otherwise missing
Scoring: $\quad$ Q40_a=(Q40a_1+...+Q40a_13)/13

Opportunity and Language products:
Answer "Yes" = 4, "No" = 0, other missing
Scoring: Q40_b=(Q40b_1+...+Q40b_13)/13

Desire: If the answer is "Yes" with "Regularly" then the value $=4$, else if the answer is "Yes" with "Sometimes" then the value $=2$, else if the answer is "Yes" with "Never" then the value $=0$, otherwise missing
Scoring: $\quad$ Q40_c=(Q40c_1+...+Q40c_13)/13

Q41 Active use of language $X$ (text production) and cultural products
a. Do you write letters (in any language)?
$\square \quad$ No
$\square \quad$ Yes, and I write letters in language $X$regularlysometimesnever
b. Do you write a diary or make notes (in any language)?
$\square \quad$ Yes, and I write them in language $X$
$\square$ regularlysometimesnever
c. Do you write blogs (in any language)?
$\square \quad$ No
$\square \quad$ Yes, and I write them in language $X$regularlysometimesnever
d. Do you write literary texts (for instance, stories or poetry) or compose songs of your own (in any language)?
$\square \quad$ No
$\square \quad$ Yes, and I write my texts or songs in Xregularlysometimesnever
e. Do you sing songs (in any language)?
$\square \quad$ No
$\square \quad$ Yes, and $I$ sing in language $X$
$\square$ regularlysometimesnever
f. Do you ever recite poetry or play in theatre performances (for instance, in an amateur theatre group) in any language?
$\square \quad$ NoYes, and I recite poetry or perform in Xregularlysometimesnever

Recoding: recode sub-questions differently for Focus Areas as follows:

Capacity: If the answer is "Yes" with "Regularly" or "Sometimes" then the value = 4, else if the answer is "Yes" with "Never" then the value $=0$, otherwise missing
Scoring: $\quad$ Q41a=(Q41a_1+...+Q41a_6)/6

Desire: If the answer is "Yes" with "Regularly" then the value = 4, If the answer is "Yes" with "Sometimes" then the value = 2, else if the answer is "Yes" with "Never" then the value $=0$, otherwise missing
Scoring: $\quad$ Q41b=(Q41b_1+...+Q41b_6)/6

## 3 EuLaViBar Focus Areas and Dimensions

The questions above were combined into four focus areas and in each focus area into three or four dimensions:

Capacity: Q06, Q08-Q18, Q23-Q26, Q32, Q36, Q40b, Q41a
Language use: Q06, Q08-Q18, Q23-Q26, Q36
Legislation: Q32
Media: $\quad$ Q40b, Q41a

Opportunity: Q07, Q19-Q22, Q30-Q33, Q35-Q39, Q40a
Language use: Q19, Q20, Q35-Q39
Education: Q07, Q21, Q22
Legislation: Q30-Q33
Media: Q40a

Desire: Q06, Q08-Q20, Q23-Q31, Q34, Q36-Q39, Q40c, Q41b
Language use: $\quad$ Q06, Q08-Q20, Q23-Q29, Q34, Q36-Q39
Legislation: Q30, Q31
Media: $\quad$ Q40c, Q41b

Language Products: Q21, Q22, Q29, Q32, Q39, Q40a
Language use: Q29, Q39
Education: Q21, Q22
Legislation: Q32
Media: Q40a

Additionally, the score should be calculated by age groups for the Cross-generational language transmission.

Age grouping must be decided according to the needs of the study in question. For example, in ELDIA minority language survey the classification was 18-29, 30-49, 50-64 and 65 years or more.

Questions to be included are Q07-Q18. One must also take the number of respondents into account to obtain enough observations for valid calculation. As a rule of thumb the number or respondents should be 30 or more in each age category. The differences can be analyzed in various ways. Statistical modelling provides many alternative methods, e.g. generalized regression models with least square means, or comparison of mean scores by analysis of variance.

## 4 An example on how to calculate the scores

Number of respondents 356, focus area: Language products

## Focus area: Language Products

Variable Label

Dimension: Language use
Number of Number of Mean

Sum = N*mean

Q21 $\quad \mathrm{X}$ as teaching language
Q22 Average score of Q22 items (language X )

Q29 Average score of Q29 over all items

Q32 Is such legislation 1 available in language $X$

Q39 Average score of all items of question 39

Q40a Average score of all items of question 40

Sum
Mean (= Sum of score / ( $\mathrm{N}^{*} \mathrm{p}$ ))

| Q29Average score of Q29 <br> over all items | 1 | 356 | 1,897673 | 675,57 |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Q39 | Average score of all <br> items of question 39 | 1 | 286 | 1,418706 | 405,75 |
|  |  | 2 | 356 | 1081,32 |  |

(p) (N)

1356

1
356

356

173

286
1
$1,418706 \quad 405,75$
$1,418706405,75$
$1 \quad 318$
0,412736
131,25
1,897673 675,57
$0,138728 \quad 2$
24
$0,064607 \quad 23$
0,029963 10,67

6
356
1270,24
0,59

1081,32
1,52

## Dimension: Education

| Q21 | X as teaching language | 1 | 356 | 0,064607 | 23 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Q22 | Average score of Q22 <br> items (language X) | 1 | 356 | 0,029963 | 10,67 |


| Sum | 2 | 356 |
| :--- | :---: | :---: |
| Mean (= Sum of score / (N*p)) |  | $\mathbf{0 , 0 5}$ |

## Dimension: Legislation

| Q32Is such legislation <br> available in language X | 1 | 173 | 0,138728 | 24 |
| :--- | :--- | :--- | :--- | :--- | :--- |

Mean 0,14

Dimension: Media

| Q40a | Average score of all <br> items of question 62A | 1 | 318 | 0,412736 | 131,25 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | $\mathbf{0 , 4 1}$ |  |


[^0]:    $\square \quad$ Other language(s) (specify which), but never X :

