# The Impact of Social Homophily on the On the Virtual Encounter Simulation of Value Conflicts

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9th World Congress of the IMA

Vienna, January, 8.-10. 2024

### 1. Introduction and Overview

<u>Homophily</u>: Tendency to primarily interact/affiliate with peers.

Examples of homophily: Marriage between academics Ethnically homogeneous neighbourhoods Members of filter bubbles

Figs. 1a, b: Structure of universal (up) vs. homophilic (down) networks:





Legend: Green: Group A; Black: Group B

<u>Comments on Figs. 1a, b</u>: Homophilic networks have no/limited external contacts (red).

<u>General hypothesis</u>: Homophilic networks have less internal conflict than universal networks.

<u>Rationale of general hypothesis</u>: Exclusion of "heretics" from homophilic groups.

<u>Consequence</u>: Segmentation of society into homophilic groups reduces level of conflict.

## 2. The Methodology of Virtual Encounter Simulations

<u>The data problem</u>: Social data are *monadic* i.e. focussed on persons and not on pairs --> lack of *dyadic* conflict data.

# Fig. 2: The construction of a virtual encounter file for the calculation of conflicts:



<u>Legend</u>: i and j are members of the groups A and B. Conflict Ci,j with regard to an attribute X = Value difference |Xi-Xj|.

## Comments on Fig. 2:

Rationale of random matching: F. Toennies: Contacts with *strangers* prevail If group A = group B --> Internal conflict. If group A ≠ group B --> External conflict. Possible sources of monadic data-records: International surveys like ISSP, EVS, etc. in data-archives. <u>Use of virtual encounter simulations for</u> <u>testing the general hypothesis</u>: Comparison of a) *internal* conflict within homophilic group with b) *external* conflict between homophilic group and rest of society If internal conflict ≤ external conflict --> General hypothesis ok

## 3. Empirical Analyses 3.1 The Data

#### Purpose:

Test of general hypothesis with data regarding political conflict about citizenship in Switzerland

Dataset:

International Social Survey Programme ISSP 2003 = National Identity II

> Country: Only Switzerland

Variables: Criteria of "Swissness":

V11: Birth in Switzerland

V12: Being Swiss citizen

V13: Most of life in Switzerland

V14: Speaking a nat. language V15: Being Christian

V16: Respecting pol. institutions V17: "Feel Swiss"

V18: Having a Swiss ancestry

<u>Homophilic groups</u>: Based on l*anguage* (≈ region): German, French, Italian Based on *religious denomination:* Protestant, Catholic, No religion Based on *political partisanship:* Left, (Moderate) Right



## 3.2 Global Analysis of Internal and External Conflict

Fig. 3a: The relation between internal and external conflict: All groups and variables:





<u>Comments on Fig. 3a, b</u>: Internal conflict ≥ External conflict --> Falsification of general hypothesis



3.3 Analysis of the Best and Worst Confirmations of the General Hypothesis

Fig. 4a: The best/worst variables:

Legend: Dashed lines: Int. conflict = +/- 10% of ext. conflict; Boxes = Id. of extreme variables.

Fig. 4b: The best/worst groups:



Legend: Dashed lines: Int. conflict = +/- 10% of ext. conflict; Boxes = Id. of extreme groups.

<u>Comments on Figs. 4a, b</u>: Many odd cases *above* the upper dashed line



Fig. 5: Synopsis of the best/worst groups/variables:

<u>Legend</u>: *Black* bullets: Worst cases: Int. conflict > 1.1\*Ext. conflict; *White* bullets: Best cases: Int. conflict < 0.9\*Ext. conflict

Slight confirmation: Int. confl. ≤ Ext. confl.:

- V16: Respecting polit. institutions: French: pos.; Italian: pos.; German: neutral; Rest: neutral.
- V11: Birth in Switzerland: Italian: pos.; French, German: neutral; Rest: neutral.

Disconfirmation: Int. confl. ≥ Ext. confl.:

V12: Being Swiss citizen: Left: neg.; Right: neutral; Rest: neutral.

V13: Most of life in Switzerland: All cases: neutral. --> Int. confl. ≈ Ext. confl.

V14: Speaking a nat. language: Right, Protestant, Left: neg.; Rest: neutral.

V17: "Feel Swiss": Italian: neg.; French, German: neutral; Rest: neutral.

V18: Having a Swiss ancestry: Catholic, Italian, Protestant: neg.; Rest: neutral.

<u>Mixed: Int. confl.  $\leq$  or  $\geq$  Ext. confl.:</u>

V15: Being Christian: French, Catholic: negative; Italian, Left: pos.; Rest: neutral.

#### 4. Summary and Conclusions

<u>General hypothesis about homophilic groups</u>: Internal conflict of homophilic groups ≤ External conflict

<u>General empirical result</u>: Internal conflict ≥ External conflict --> Segmentation into homophilic groups does *not* reduce conflicts.

Exceptional slight confirmations: Linguistic regions with regard to V11 = Birth in Switzerland V16 = Respecting pol. institutions

Possible explanation 1 of failure: Some topics are not on the *political agenda* of the analysed homophilic groups. E.g: Protestants not concerned about language.

<u>Possible explanation 2 of failure</u>: Some homophilic groups have *no identity* that is different from the rest: E.g: Non-religious people

Possible explanation 3 of failure: Some homophilic groups are internally *polarised* --> Internal conflict ≥ external conflict.

E.g: Working class left vs. academic left with regard to (universal) citizenship.

In sum:

This is work in progress, which requires further investigations.