













BACKGROUND

- * June 14th ,1925 in Braila, Romania
- † November 15th, 2014 in Paris
- Suffered from anti-semitic discrimination from an early age on
 - -> 1938 excluded from Bucharest high school
- During World War II
 - -> witnessed Bucharest Pogrom (1941)
 - -> brought into labor camp
 - -> freed by Soviet Red Army in 1944

Serge Moscovici
Romanian-born French Social Psychologist



https://upload.wikimedia.org/wikipedia/commons/e/e2/2003Moscovici2.jpg



BACKGROUND

- Fled to Paris, France
 -> studied Psychology due to help from refugee fund
- Worked as Psychologist at Stanford University and Yale

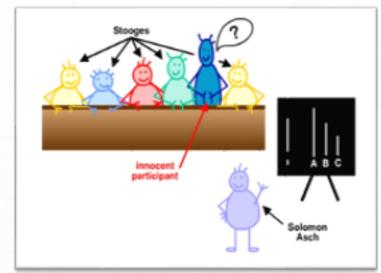
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https://upload.wikimedia.org/wikipedia/commons/ee2/2003Moscovici2.jpg

BACKGROUND

- Moscovici and Personnaz based their ideas on Asch's conformity experiment
- Asch focused on the effect a majority group has on influencing ones beliefs
- Moscovici and Personnaz extended this idea by paying closer attention to the influence of a minority



https://www.simplypsychology.org/wp-content/uploads/asch-experiment.jpg

CONVERSION THEORY

"Conversion Theory" describes the influence of either a majority or minority separated in two different cognitive processes and a change in private or public response

COMPARISON PROCESS

- Majority influence
- Comparing own response without actually analyzing majority's message
- No change in actual belief (public)

CONVERSION BEHAVIOR

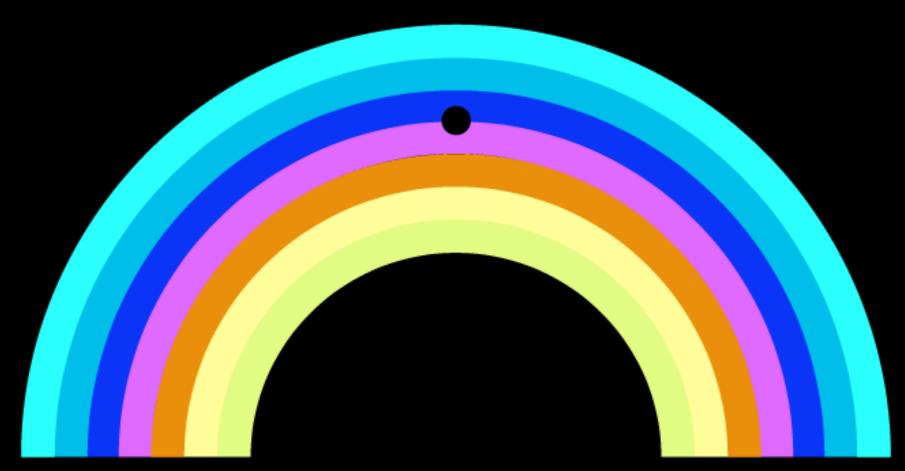
- Minority influence
- No public change but start of validatio process
- Leads to private change

Moscoviel, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. *Journal of Experimental Social Psychology, 16,* 270-282.

WHICH PROPERTIES DO YOU CONSIDER TO BE IMPORTANT FOR A MINORITY TO HAVE AN INFLUENCE OVER A MAJORITY?

NAME 3-4





https://www.brainhq.com/brain-resources/brain-teasers/rainbow-illusion/p

THE STUDY

Two tasks:

- 1) Judge color of slide (blue slide)
- Judge color of chromatic afterimage on a 9point-scale



CHROMATIC CIRCLE



https://thesisterisadoraknocking.files.wordpress.com/2014/06/chromatic-circle.png

Moscovici, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. *Journal of Experimental Social Psychology*, 16, 270-282.

THE STUDY

 examined the influence of a consistent minority on cognitive and personal processes

 only female students as subjects plus a female confederate

confederate represents either majority or minority

Moscovici, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. Journal of Experimental Social Psychology, 16, 270-282.

najority and Minority Influence Using the Attentions Paradigm: A Series of Attempted Replications

THE STUDY

Predictions:

- subject's judgement of chromatic afterimage would be modified when confederate represents a minority
- 2) Modification more pronounced when source of influence is absent



Moscovici, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. *Journal of Experimental Social Psychology*, 16, 270-282.

THE ORIGINAL EXPERIMENT



- The first study consisted of 5 trials
- Subjects wrote down their answers to
 - the color of the slide
 - the color of the afterimage
- Afterwards, the experimenter shows subjects the results that she supposedly had from previous studies
- Majority group: 18.2% saw the color blue, 81.8% saw the color green
- Minority group: 81.8% saw the color blue, 18.2% saw the color green

- = social interaction phase
- Consists of 15 trials
- Color of slide answers orally and public
 - -> afterimage answer given privately
- Confederate always gave first and consistent response -> "green"

- Consists of 15 trials
- Subjects and confederate noted their answers privately
- Confederate left at the end -> "urgent appointment"

- Consists of 5 trials
- Repeated the third phase but subjects were alone -> confederate absent

Post-experimental questionnaire

- Assessed perception of oneself, stimulus and source of influence
- Items rated on 6-point-scale

How have yo	ou perceived y	our partner:			
Not competent at all	Little competent	Just competent	Rather competent	Competent	Very competent
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THE ORIGINAL EXPERIMENT



Answers were given privately **5 trials**

Social interaction phase

15 trials

Answers private, Confederate present **15 trials** Repeats phase 3, Confederate absent **5 trials**

Moscovici, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. *Journal of Experimental Social Psychology*, 16, 270-282.

RESULTS

- Statistical analysis confirmed hypotheses
- Consistent minority led to a change in response, best when source of influence is absent

Is there an actual perceptual change or just in verbal response?

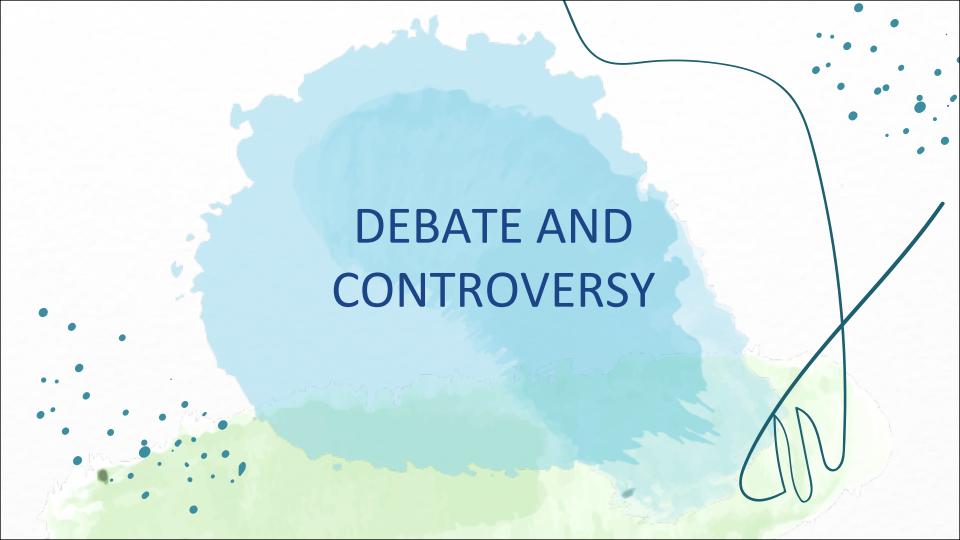
- Conversion behavior or just compliance?
- Results show that there is an actual perceptual change in minority condition
 -> afterimage effect
- Some changes in verbal response in majority condition

Moscovici, S., & Personnaz, B. (1980). Minority Influence and Conversion Behavior in a Perceptual Task. *Journal of Experimental Social Psychology*, 16, 270-282.

EXPERIMENT 2

- Moscovici conducted a second experiment to strengthen his results
- Replicated the two conditions but only used 5 trials each
- Results confirm his findings





WHAT DO YOU THINK ARE CRITICAL ASPECTS OF THE STUDY? **NAME 3-4**

EXAMPLE OF CRITIC

- Study by Doms and Van Avermaet (1980)
- Results show no compliance in both conditions
- Found conversion behavior in both conditions
 - -> due to increased attention to the **deviant response** given by confederate

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications. *Journal of Experimental Soci Psychology*, 34, 1-26. https://doi.org/10.1006/jesp.1997.1339 (Article No. JS971339)

Doms, M. & Van Avermaet, E. (1980). Majority influence, minority influence and conversion behavior: A replication. *Journal of Experimental Social Psychology, 16*, 283–292.

REPLICATIONS

Consistent number of trials

- -> within phase effects
- -> color blindness test in all replications

3

- Original number of trials
- No-influence condition
- Pre-influence omitted

5

- Same as 4th experiment
- Source manipulation tested through remembering false feedback

2

- Consistent number of trials
- Maj./Min. physically present
- Number confederates changed

4

- Original number of trials
- No-influence condition
- Pre-influence included

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications. *Journal of Experimental Social Psychology, 34,* 1-26. https://doi.org/10.1006/jesp.1997.1339 (Article No. JS971339)



RESULTS EXPERIMENT 1



No green response

In either majority/ minority



Does not replicate findings

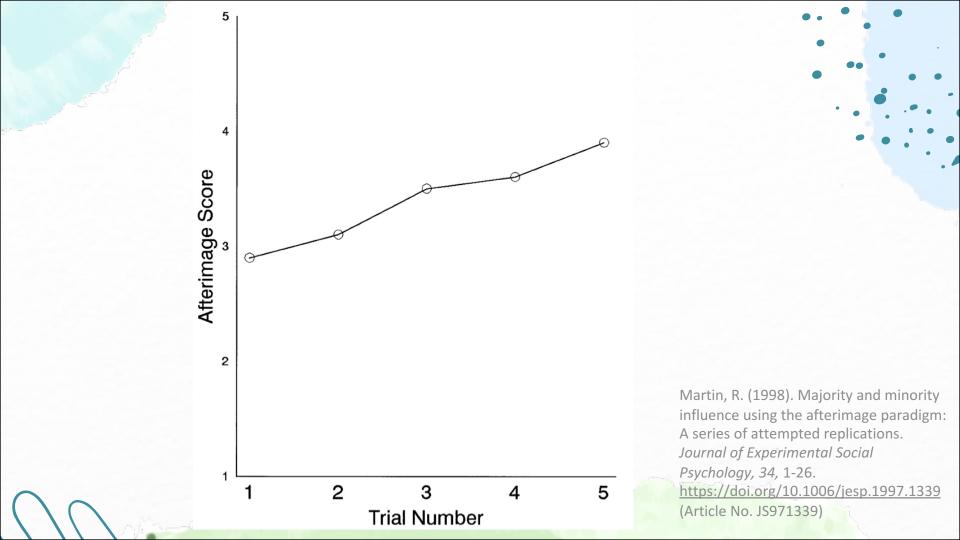
Findings do not show more change in minority compared to majority



Trial number effect

both influence conditions show gradually rising change

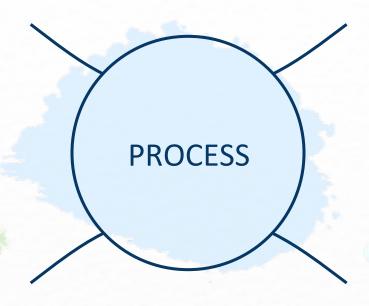
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TRIALS

5 trials each phase



GROUPS

Groups of four tested together

CONFEDERATE (MIN.)

- Physically present
- One confederate and three subjects

CONFEDERATE (MAJ.)

- Physically present
- Three confederates and one subject

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications. *Journal of Experimental Social Psychology*, 34, 1-26. https://doi.org/10.1006/jess.1997.1339 (Article No. JS971339)

RESULTS EXPERIMENT 2



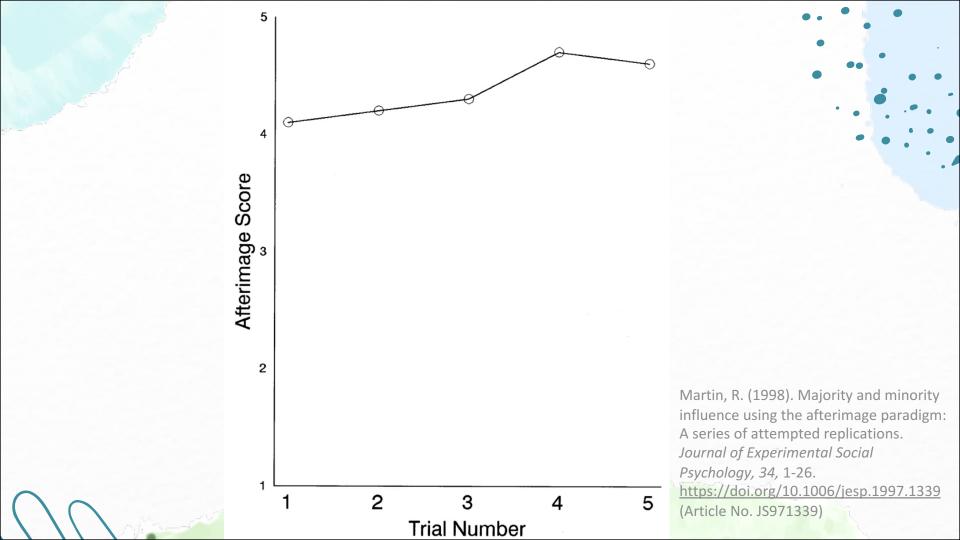
No green response

In either maj./min.
-> present maj.
should increase
conformity (Asch)



both influence conditions show gradually rising change

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications. *Journal of Experimental Social Psychology*, 34, 1-26. https://doi.org/10.1006/jesp.1997.1339 (Article No. JS971339)

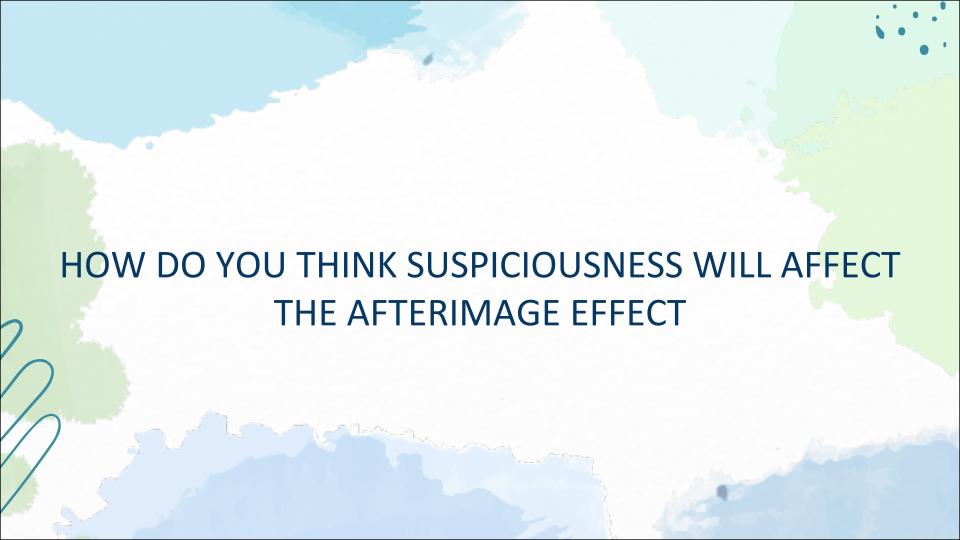


ROLE OF ATTENTION

- Sorrentino et al. (1980) claims afterimage effect due to increased attention/ suspiciousness
- Experiment 1 and 2 conducted **post-experimental questionnaire**
 - -> asked if they were suspicious of any aspect of the study
- Two groups formed
 - -> high/ low suspicious group

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications *Journal & Experimental Social Psychology, 34,* 1-26. https://doi.org/10.1006/jesp.1997.1339 (Article No. JS971339)

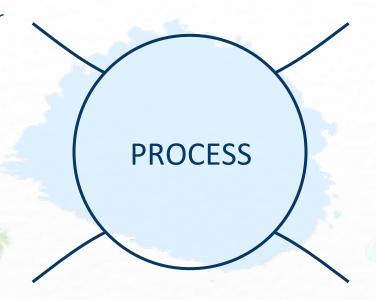
Sorrentino, R.M., King, G., & Leo, G. (1980). The influence of the minority on perception: A note on a possible alternative explanation. *Journal of Experimental Social Psychology*, 16, 293-301





TRIALS

Back to original number of trials



CONTROL-CONDITION

Without confederate

PRE-INFLUENCE PHASE

Omitted

-> since no study shows shifts in this phase

CONFEDERATE

Only one (like original experiment)

RESULTS EXPERIMENT 3



Only one green response

No afterimage difference between conditions



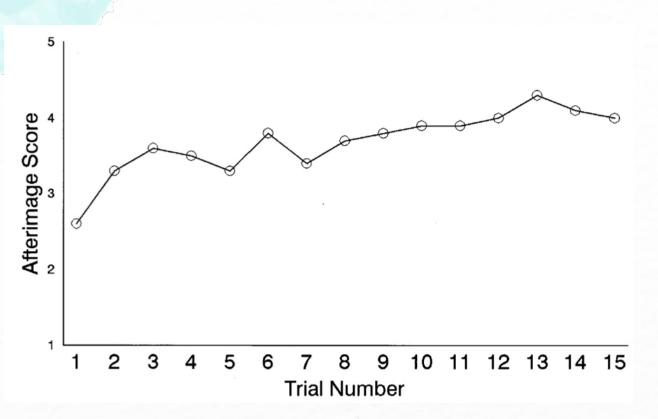
Does not replicate findings

Findings do not show more change in minority compared to majority



Trial number effect

Confirmed in 15 trials





PROCEDURE

- Nearly same procedure as in third experiment
 - -> pre-influence was included again
- Direct replica of original study (5-15-15-5)



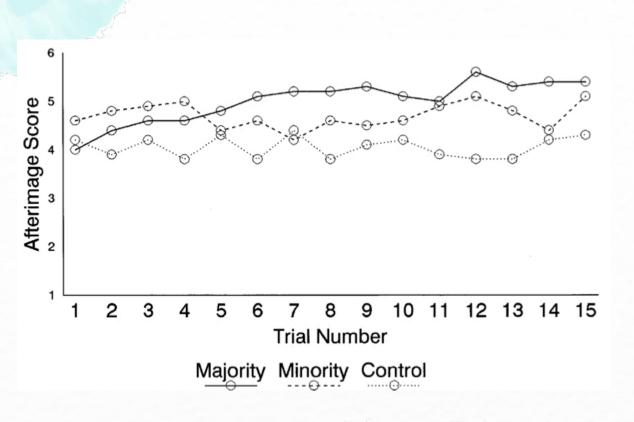
RESULTS EXPERIMENT 4



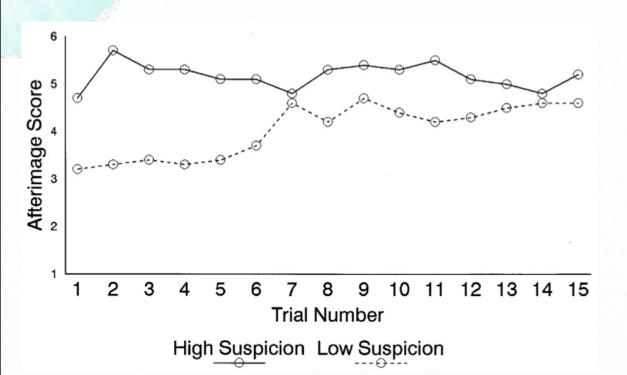


Does not replicate findings

Does not replicate Moscovici's findings



Significant afterimage shift in majority condition



- Replicates findings of 1. & 2. Experiment
 - -> high-suspicious group gave higher scores
- Extends findings
 -> in 15 trials, low
 suspicious group
 reaches level of other
 group



UNTIL NOW

- Four experiments have shown consistent findings
 - -> no replication of Moscovici's findings

- What about attention to source manipulation?
 - -> do subjects **process manipulation correctly**?
 - -> 5th experiment analyses this

PROCEDURE

- Nearly the same as 4th experiment
- Subjects informed that they should remember the feedback information (false feedback manipulation)
 - -> should recall it at the end
 - -> testing attention to source manipulation

RESULTS EXPERIMENT 5



No green response



Source Manipulation

All subjects correctly recalled source manipulation



Afterimage shift

Results show afterimage shift in both conditions



COMPARISON

- Results of 5th experiment replicate findings by Doms and Van Avermaet (1980)
 - -> afterimage shift in both conditions, when confronted with deviant response

Martin, R. (1998). Majority and minority influence using the afterimage paradigm: A series of attempted replications. *Journal of Experimental Social Psychology*, 34, 1-26. https://doi.org/10.1006/jesp.1997.1339 (Article No. JS971339)

Doms, M. & Van Avermaet, E. (1980). Majority influence, minority influence and conversion behavior: A replication. Journal of Experimental Social Psychology, 16, 283–292.

OVERALL RESULTS

- Findings of Moscovici and Personnaz could not be replicated
- New ideas:
 - -> within-phase effect
 - -> subjects suspiciousness



