ROMANCE, GERMANIC, AND OTHER LANGUAGES

THE NURTURER PSYCHOLINGUISTIC ARCHETYPE: LIWC-22 ANALYSIS

ПСИХОЛІНГВІСТИЧНИЙ АРХЕТИП «ГОДУВАЛЬНИЦЯ»: АНАЛІЗ LIWC-22

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The self-focus, cognitive complexity, social references, and emotional tone inherent in language use can help identify individual differences. These linguistic characteristics differ with age, sex, personality, and mental health. Language use, like any behavioral manifestation, can reflect individual differences. These language features can be used to make predictions about individuals, and also may underlie causal processes that create some individual differences. The function and emotion words people use provide important psychological cues to their thought processes, emotional states, intentions, and motivations [1, p. 36-37].

The archetypes represent heroes and villains with common, repetitive (archetypal) characteristics and diverse (individual) traits. The definition and main personality characteristics of the researched here Nurturer archetype are proposed by Schmidt [2]. The Nurturer is motivated by the feelings of love and belonging. She needs to be connected with someone; she strives to be needed. The Nurturer is the Mother; however, it is not obligatory for this archetype to have children to be the Nurturer. A sense of duty to help others is essential. If she does not have children, she channels her energy into helping and caring for others. The villainous representation of the same archetype is the Overcontrolling Mother, who projects her personal disappointments onto

her daughter so that she will not leave home and be independent. The Overcontrolling Mother is the master of inflicting guilt upon others [2, p. 48].

The Nurturer archetype is one of the most widespread female character types in the MCU franchise. The Nurturers are mothers and wives/girlfriends whose role is to care for the (super)hero [3]. The paper focuses on establishing the psycholinguistic categories of the Nurturer archetype in the MCU franchise with the LIWC-22 software. The research examines the language use of five protagonists, namely Natasha Romanoff (*Black Widow* and *Avengers: Endgame*), Gamora (*Guardians of the Galaxy Vol. 1, Guardians of the Galaxy Vol. 2* and *Avengers: Endgame*), Christine Palmer (*Doctor Strange*), Frigga (*Thor*, *Thor: The Dark World* and *Avengers: Endgame*), and Laura Barton (*Avengers: Age of Ultron* and *Avengers: Endgame*). The Overcontrolling Mother is represented by the Supreme Intelligence in *Captain Marvel*, striving to control Carol Danvers and to make her serve the unjust Kree civilization [3]. To increase the validity of data, the paper examines only the turns exceeding 150 words in total. The results are contrasted with the mean numbers and standard deviations of LIWC categories in movies gathered and presented by Boyd et al. [4]. Deviations from mean figures demonstrate common psycholinguistic characteristics of the researched archetype and individual traits of the examined characters. Several categories (out of 117 proposed by Boyd et al. [4]) are presented in Table 1.

Table 1

Psycholinguistic categories (LIWC-22) of the Nurturer archetype

	Natasha Romanoff	Gamora	Christine Palmer	Frigga	Laura Barton	Supreme Intelligence	Mean (movies) [4]	Std. Deviation [4]
Analytic	4,46	6,38	5,46	1,78	3,86	11,65	16,89	13,18
clout	79,31	84,83	76,95	99	86,08	99	77,73	11,46
authentic	73,83	50,81	47,85	44,53	57,85	8,68	58,51	14,51
ppron	18,26	17,94	14,07	22,92	16,26	19,91	15,46	2,42
we	2,07	2,92	0,94	1,85	0,99	5,31	1,44	0,66
you	6,9	5,58	7,69	12,04	6,4	12,83	5,26	1,36
they	0,38	0,47	0,56	0,93	2,46	0,88	0,75	0,45
affiliation	3,18	4,02	2,06	3,47	1,97	5,75	2,53	0,81
power	1,27	1,65	1,31	1,39	0,0	6,64	1,37	0,87
emo_anx	0,19	0,17	0,0	0,46	0,49	0,44	0,16	0,10
social	17,07	18,65	14,63	26,85	20,2	25,66	16,89	2,35
socrefs	13,04	13,71	10,51	23,38	14,78	21,68	12,48	1,91
family	0,77	0,68	0,0	2,08	0,49	0,0	0,69	0,49

'Analytic' is within the norm for the characters, except for Frigga and the Supreme Intelligence. Frigga is positioned as a spiritual character, prone to relying on emotions and intuition more than on reason. The category negatively

correlates in her turns with the 'emo_anx' and 'emo_sad', the numbers in which overpass the average. She is deeply concerned with the welfare of her children Thor and Loki, her husband Odin and Thor's girlfriend Jane Foster. Frigga dies to protect Jane from the enemy. The 'analytic' category is the highest (though within the norm) in the turns of the villainous Supreme Intelligence, who is a calculating supercomputer ruling the Kree race.

'Emo_anx' is also high in the turns of Laura Barton and the Supreme Intelligence. The former is anxious about the future of her husband Hawkeye (a mere mortal fighting alongside gods and superheroes), the fate of her children (including yet unborn Nathaniel) and the success of the Avengers (having lost in a battle against the villainous powerful artificial intelligence Ultron). The latter pretends concern for Carol Danvers trying to guilt her into obedience.

'Clout' refers to the relative social status, confidence, or leadership [5]. Numbers above standard in the turns of Frigga and the Supreme Intelligence demonstrate that the characters possess high social standing and rule their court and household (Frigga, the Queen of Asgard), or a powerful race, occupying several planets in the universe (the Supreme Intelligence). All the other characters have the category numbers falling within average levels; the Nurturers possess some authority over others, but commanding subordinates is not their goal.

Lower numbers in 'authentic' suggest a more guarded, distanced form of discourse; people tend to self-regulate or filter what they say. Authenticity reflects the degree to which a person is self-monitoring [5]. In the researched material, 'authentic' is high (in Natasha's turns as she communicates predominantly with the people she trusts and cares for) and within the norm in other Nurturers' turns. For the villainous Supreme Intelligence (the Overcontrolling Mother) the number is extremely low as her goal is to keep Captain Marvel under control by deception and manipulation.

Function words, such as personal pronouns, also reflect attentional allocation [6]. The Nurturer archetype's focus is external, as the characters concentrate their attention on their loved ones. Personal pronouns demonstrate at whom the care and protection are directed. The purpose of the Nurturer archetype in the plot is to support the (super)hero. The aim of the Overcontrolling Mother archetype is to be an obstacle for the hero's development by smothering the protagonist or keeping her under control. The Nurturer focuses on her ward. For Natasha, Christine Palmer, and Frigga the number is high in the 'you' category as they address their loved ones (respectively the Avengers, doctor Strange, and the family members). For Gamora the number is high in the 'we' category, as frequent usage of 'we' can signal a sense of group identity [7]; Gamora identifies herself with the group of the Guardians. For Laura Barton, the number is high in the 'they' category as she talks to Hawkeye about the Avengers, who are *'a mess'* at the moment.

In the turns of the Supreme Intelligence, the 'we' category significantly exceeds the average; combined with extremely low numbers in the 'I' category (it equals zero), and low numbers in 'question_mark' category, it demonstrates the high social status of the character. The present results agree with the research by Kacewicz et al. [6], demonstrating that higher-ranked team members asked fewer questions compared with the lower-ranked, and increased use of first-person plural was a good predictor of higher status. The number in the 'power' category in her turns exceeds greatly the average, demonstrating her focus on the idea (for the researched protagonists the number is within the norm).

High rates of 'affiliation' (in the turns by Gamora, Frigga, and the Supreme Intelligence), 'family' (in the utterances by Frigga), 'social' and 'socref' words (in the narratives by Frigga, Laura, and the Supreme Intelligence) demonstrate the Nurturer's connections with those she strives to support and protect.

Further research aims to create a comprehensive classification of female psycholinguistic archetypes frequenting English-language mainstream movies of the XXI century.

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STRUCTURAL-SEMANTICAL FEATURES
OF THE ENGLISH MILITARY CRYPTOLECT

СТРУКТУРНО-СЕМАНТИЧНІ ХАРАКТЕРИСТИКИ
АНГЛОМОВНОГО ВІЙСЬКОВОГО КРИПТОЛЕКТУ

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Cryptolect (*crypto*– means «hidden», «secret») code names used clandestinely (with secrecy or concealment, esp. for purposes of subversion or deception) to refer to other words + – lect, «language variety «. Cryptonyms are often used for military purposes. War code names belong to official terminology containing terms and nomenclature which has been investigated