# MUSIC PREFERENCES OF THE FACULTY OF FINE ARTS STUDENTS

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#### ABSTRACT

The purpose of the study is to reveal the music listening situation of the actions at the Faculty of Fine Arts of Kastamonu University, the music genres that any listen would the relationship between them. It is also investigated whether the music standing situation determines the music training of the students or also makes significant dimensional among students according to their genders. The music listening situation has a for data collection tools. The findings revealed that the majority of the students prefer listening to music at home and public transport. The least preferred situations for intening to music are when they are with their families and whilst reading by a consequency magazines. The results suggested that the most preferred genres are Rocal and lives which are closely followed by Jazz and Western Classical Music. The least preferred genres are Turkish Arabesque Music, Rap and Turkish Folk Music. It is determined that the students' music listening situation has shown significant different according to the musical training, gender and musical genres.

Key Words: Music in life, music listening situal my acal preference.

# GÜZEL SANATLAR FIKONISI ÖĞRENCİLERİNİN MÜZİK TERCİHLERİ

ÖZ

Bu çalışmanın aman, Kastamonu 'niversitesi Güzel Sanatlar Fakültesi'nde okuyan öğrencilerin müzik dinleme ortamıktını, dinledikleri müzik türlerini ve bunlar arasındaki ilişkiyi ortaya koymaktın Ayrıca mazik dinleme ortamlarının öğrencilerin müzik eğitimi alıp almamalarına ve cintinai ane göre anlamlı farklılık oluşturup oluşturmadığı da araştırılmıştır. Voğranlama aracı olarak beşli Likert tipi olarak geliştirilmiş müzik dinleme ortamları ölçeği ku kasandinleme sıklığı ölçeği kullanılmıştır. Araştırma sonuçları öğrencilerin müziği va çok evde ve toplu taşıma araçlarında en az ise aileleri ve kitap/gayayılarığı oku ten dinlediklerini göstermektedir. Öğrencilerin müzik türü tercih ortaları vaya taşında en çok dinlenilen türün Rock ve Blues olduğu, onları Jazz ve Klasi A küzin kalarının izlediği görülmektedir. En az tercih edilen türler ise Arabesk, Rap ve Türk ilalik Müzzidir. Öğrencilerin müzik dinleme ortamlarının eğitim, cinsiyet ve milendiği müzik türüne göre anlamlı farklılıklar oluşturduğu saptanmıştır.

Inahtar Kalimeler: Gündelik müzik müzik dinleme ortamları, müzik tercihi

#### INTRODUCTION

curious about the reasons why we commonly would rath usical genres than decreased, and similarly he ording to this theory, individual is cs of the genre that we enjoy to listen. These types of pbeat dance music if they go there to relax. This issue is about degree of arousal poten al, ques oned both why we preferred some certain musical genres while doing our daily ac vi es like studying, earng, travelling. He also ques oned the factors leading us to change our preferences according to me, situa on, ac vity and place. While Berlyne focused on the s mula ng effect of the music, Konecni focused on arousal evoked in music and arousal evoked by the immediate context in which it is experienced. For example, if the audience is in an extra s mula ng situa on, he / she probably prefers listening to supper music: The low complexity level of the music destroys the s mula ng effect of music is tening situa on. Similarly, if the individual is in a bor-ing situa on, he / she prefers listening to more complex music. The explana on of this situa on is that the music having high covalex music also decreases of the influence of listening situa on (as cited in North & Haugrelles, 2008)

With the increasing interest in the influence of listening situation accordance and studies were carried out on the music listening experience in daily life. (Decora, 2004) Justin & Laukka, 2004; Saarikallio & Erikkilä, 2007; Schafer et al., 2004; Saboda et al., 2001). Moreover the studies started to be carried out in other place a secondary laboratory situa on and took different forms. For instance, North, Hargreaves (2004) collected data by sending messages to par cipants at reactar interval and a day, in those messages they wanted the par ci-pants to answer some quity a many what they do where they are, with whom they are, what kind of music they liste to add how they feel while listening. With the opinion offering an insight into great major of studies, Herbert (2012b) suggested the conceptualiza on of major is stening act as 'direct' (deep, slow, profound) and 'indirect' (daily, so , slight). When the modes were analyzed during music listening in daily life, Sloboda (2010) stateward the ordinary characteris cs of any music (clear emo onal codes, brevity, simplicity etc.) and or oth the person toward superficial listening. Moreover the studies focus a conthe order fac-tors rather than music or also focused on the mova on for music listence a time man the aesthe c pleasure. As a result, a series of contrary case models such as 'a position veryday', 'aesthe c pleasure or func onal resource', 'complex or basic orders, 'music focused or listener focused experience' emerged in literature under the move of music listening (as cited in Herbert, 2012b).

Berg, Fierros & Peroc (115) indicated that music plays a major role on personal and collective identity formation and deal with two different approaches in music listening, a) Music as an individual form of contamp on listened to at home, in the street, on public transport, etc., but always to an actividual basis. This kind of expression is quite important for personal references, social relations and identity formation. b) Listening to music at concerts and festive activities are relative modal human experience for groups or people taking part in the activities. The musical genres such as "Rap", "hip-hop", electronic music (day forward, to the object of music and their experiences turn into a special to styllocate different from the other sections of society with the parcular symbols and languages. Music is a spare me activity for teenagers and young adults. It is known that also stall indicate his enjoy and listen to music (Lamont, Hargreaves, Marshall, & Tarrant, 200 society of the participants of the study carried out by Berg et al. (2015), two most transitions are acteristics of the music are;

- likeness in clothing style as a group and the way of life related with iden ty
- (2) to consider it as a group iden ty component deciding the criteria that determine which friends and where will be met. Moreover, as the young get older, the favorite music genre become more complex and are defined much bet-ter.

The reasons why the university students were preferred as the sample group as is study are similar as in the study of Berg et al. (2015). The musical genres listened by this age group are much more stable, steady and various than the younger ones. The stanusical genres can also be entiled much beer. When the studies on the musical preferences in tacker are examined, it is seen that there are some studies on the influence of the variables such as personality, belief, prejudice, aggressiveness (Erdal, 2009; Erdal, 2002, Şenelley, 3, Yağışan, 2013).

A large number of studies were carried out to prove that masic pistorice was effected by various factors within the context of personality and to have, but many studies ignored the factors about where, how and with whom the must a list and 6 chafer, 2008; North et al., 2004; Berg et al., 2015). In this context, the purpose of the study is to determine the music listening situa ons of the students at the Faculty of Fine lats of Kastamonu University and to reveal the rela on between these situa ons a storic accordance (b) education, (c) playing instrument and (d) gender.

#### METHODOLOGY

In the study, 'singular' and 'correla onal' so consomodels to reveal whether they play an instrument were also added. Before the scale items were formed, the students were asked to write a piece of informa ve essay so to how and in which situa ons they listen to music, and then an item pool was prepared by a total of the related literature. Next, the goal-oriented items of the study too when how them according to expert opinion (two faculty members from educa onal according. The scales were prepared as five-point Likert type. (1= never, 5= very o en).

Music listening frequency scale leveloped by Gürgen (2015) was used to determine the musical genres listened a student one ques on "what kind of music do you listen?" was addressed to student in the process of composing the scaler, and they were asked to give the tle of the albumbinger and back. Since the answers consisted of many musical subgenres, those answers who reduces to 13 musical genres by integraing them into the major musical genres. For example, we answer of "progressive rock" was integrated into "rock" category; the answer are prepared as five-Likert type (1=never, 5=very o en).

## **Data Analyzing Techniques**

SPSS program was used for data analyzing. Average, standard devia on, and t-test were carried out to search the rela on between music listening situa on of the students and the vari-ables. For t-test at Table 6, if the point given to musical genres listened by a students is 3 or over 3, it was classified as "high listening frequency", but if it is under 2, it classified as "low listening frequency".

## Table 1: Music Listening Situa ons of the Students in Everyday Life

Music Listening Situa on Average Standard — Devia on were used (17 avail, 18 average Standard — Devia on were used (17 avail, 18 average Standard — Devia on were used (17 avail, 18 average Standard — Park and Standard — Park a

#### Data Collec on Tools

In the study, a survey including the ques ons about the multic listening situa ons of the students was used. Moreover, the some ques of the gender, age and other ques ons

	7	
7.At bar / café / restaurant	<b>—</b>	
8.With my darling		
9.In the car		
10.While studying		
11.In the places accomp		
12.With my family		
13.While read of / never for /		
Table 2		
May mee handard the		
3.40 25		
Wares 2 9 1.26		

#### FINDINGS

Table 1 shows that the students mostly prefer listening to mustic 2 one and public transport, they prefer listening to music at the least when the students are with their families and whilst reading book/newspaper/magazines. When the music 2 compreference situa ons of the students are analyzed at Table 2, the results have supposted that mostly preferred genres are Rock and Blues which are closely followed by Jazz and Western Classical Music. The least preferred genres are Turkish Arabesou at a company and Turkish Folk Music When Table 3 is analyzed, it is seen that the students students of the departments more significantly listen to music mostly at bar/café/congrant [ti/120] = -4.301, p= 0.000] and while studying [t (320) = 1.751, p= 0.000] in a sympany and the students studying at music departments. It is also observed that the students at easic departments prefer significantly listening to music mostly with some constant in the have emo onal relation (darling) [t (320) = 2.117, p= 0.036] with comparison to the total daying at other departments. Table 3: The Comparison of the Music Listen a Situa ons a tower the Students Studying at Musicology and the Students Studying at other Assertments (t-Test)

#### Music Listening Situa on

	At home
	On public transpo
	Sport
	White also
	With my fried v
7.	7 saw restaurant
	William
	In the Car / while driving
	Lie studying

	While reading book / newspaper / magazines	,

		5
		.70
		.86
		1.46
		1.41
		1.53
		1.49
		.01
		1.20
		. 17
	3.56	1.14
	3.60	1.31
	3.29	1.26
		1.61
		1.64
	3.03	
	19	
233	<b>*</b>	
89	2.78	
233	2.70	
89	2.39	
233	2.46	

As shown in Tally 2, the students, who are not able to play any instruments, prefer significantly in ening 2 music at mostly bar/café/restaurants [t(319) = -3.504, p=0.001] and with those playing [t(319) = -4.818, p=0.000] in comparison with those playing instruments.

According to Table 5, female students prefer listening to music on public transport [t(319) = -3.524, p= 0.000], at bar/café/ restaurants [t(319) = 5.000, p= 0.000], while reading book/ newspaper/magazine [t(319) = 2.627, p= 0.000], and with families [t(319) = -3.302, p= 0.000] more than males students do.

When Table 6 is analyzed, it shows that

- The students listening to rock music frequently prefer it at concerts significantly more than the less o en listeners.
- Those listening to "blues" prefer it mostly at home and on public transported contain in the places accompanied by live music and when they are with their friends significantly more than the other listeners.
- 3. Those enjoying "jazz" prefer listening to it mostly at con-certs, but cale just aurants, in the places accompanied by live music, while driving, reading and when they are with their friends and families.
- Those listening to more Western Classical Music prefer it at contacts significantly more than the other listeners.
- Those listening to pop music prefer it while driving and in the places accompanied by live music signifi-cantly more than the other steners.
- 6. Those listening to more electronic music prefer it mostly when their friends.
- 7. Those listening to La n music prefer it dulle sporting, driv-ing, reading book etc., at bar/café/restaurant, in the places accompanie to live trasic, and when they are with their families and darlings.
- Those listening to "reggae" prefer standale strong, read-ing, at bar/café/restaurant, when they are alone, with their from a another ags.

Table 4: The Comparison of the ASSE Listening Situa ons Between the Students Playing an Instrument and the Students Not Play (ASSE)

#### Music Listening Situa on

	At home	
	On public transpo	
	Sport	
	White also	
	Coy Block	
7.	(1500) / restaurant	
	With darling	
	In the car / while driving	

	A

					0.249
				378	
				989	.324
				.010	
			105	1,274	
		3.50	<b>\</b>		
			120		
	176				
Non Playin	<b>O</b> -	3.20			
1					
	145				

			*0.000
			0.101
		.119	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		847	0.390

# Table 5: The Comparison of the Music Listening Situa ons In Terms of Student's Gender (t-Test)

#### Music Listening Situa on

	At home
	On public transport
	Sport
	While alone
	With my friends
	At concert.
	At bar / café / re curant
	With my darling
	In the car / while do
	While and
	In the place of composed by live music
	any facility
13.	2013 ands / newspaper / magazines

		.73
		1.20
		1.54
		1.37
		1.50
		1.00
		.90
		1.10
		LIFE
	3.03	1.20
	3.43	
		120
	3.41	1.57
	3.24	
	336	
	3.00	
179	3.03	
163	234	
179		
176	220	

- Those listening to mean music profer it more while they are alone, driving, and with their families in comparison with the profession of the comparison with their second comparison.
- 10. Those listening and onal Turkish art Music (TTAM) pre-fer it in the places accompanied with its supplementary and the places.
- 1.1. Those like sing to 1. Aish Folk Music (TFM) prefer it while studying, when they are with their days was ald families.
- 12. These has long to Turkish Arabesque Music prefer it when they are alone or with their day ross signification more than the others.
- is no significant difference in listening situa ons
- between the se listening to "rap" music and those not listening it.

#### DISCUSSION AND CONCLUSION

The findings of the study have revealed that the majority of the students listen to music at home and on public transport and the minority of the students listen to music when they are with their families and while reading book/ newspaper / magazines

(Table 1). In his study, Sloboda et al (2001) determined that the par ciparal and listened to music most commonly during the ac vi es like doing homework and travelling. Tarrant and his colleagues (2000), in their study on English and American young weeple, indicated that the young had listened to music at home more than two hours, and tracked listened to music to sa sfy primarily the social (to sa sfy their inner circle can be no onal needs. Moreover, the young also stated that the reason why they had actived that side lonely was to sa sfy their emo onal needs. However, in his study, Held (2012) interred that listening to music outside a er a stressing situaon was more effective to active stress. Most study findings show that the most commonly preferred spars accountly any ang young people is listening to music at home, and these findings correspond to the findings of this study (Boal-Palheiros & Hargreaves, 2001; Lamont et al., 2003, to account a stressing models by indica ng that music listening could be different to seat howe and at school; (a) listening to music in the background.

Table 6: Music Listening Situa ons of the Students according to NorMusical Genres that They Listen to (T-Test)

(b) listening to music as an accompaniment to out of intoic ac vity (c) listening to music as a major ac vity and (d) listen-ing to music leaving music. As a result of having interview with 120 students, he revealed that few vithers music had listened to music as a major ac vity and most of them had listened to vissions an anonympaniment to other ac vites such as studying and playing music.

The par cipants of the study prefer his tody to music at con-certs in the sixth place. In their study on listening to constant a live concert in daily life, Berg and his colleagues (2015) men-oned that the consubstant and the young in this mayer was the cost and they would not have had any ideals one above going there if the concert was free of charge. In this study, it can be also did that the concert halls are not at the first places as the situa one for music listening of the coung because most of the concerts require entrance fee. When the musical genre preference was a coff the students are analyzed, the results have suggested that the most preference was a coff the students are analyzed, the results have suggested that the most preference are Rock and Blues which are closely followed by Jazz and Western Classical Mys. The reast preferred genres are Turkish Arabesque Music, Rap and Turkish Folk Music. In their study carried out Turkey, Tekman and Hortaçsu (2002), who indicated as the functor of the music could change according to the past and behaviors of the individual blue of the functor of instance while they listened to Western Classical Music for classing, the distened to rap music for reviving. Moreover they observed that the parabase are aware of the functor of arabesque and TFM to strengthen social iden ty; TFM to present the identity positively but the arabesque was rejected in this sense. Also in this

study, the low listening rate of Turkish music (tradi onal TTAM, TFM and arabesque) can be associated with the funcon of music in represen ng social iden ty as seen in Table 2. In other words, the individuals indica ng that they did not lis-ten this type of music could not prefer them since these genres were not comply with the social iden ty that the belonged to at they prejudged the community listening to this kind of music rather than they did not like this genre. North and Hargreaves (2008) asserted that social iden ty was one of the most important factors effec ng musical preference.

Another remarkable finding is that the Western Classical Music has remained as one of the most frequently listened genres. When the studies on the subject were adviced on results being opposite to this finding were discovered. For instance, to Bergand his colleagues' study on Galician students (2015), they revealed that the parameters with view excep ons generally did not listen to Western Classical Music since they this that it was an old fashioned genre and not highly lis-tened nowadays. The Western Classical Austic was preferred as in the last place by the par cipants also in Ginocchio' and (2009). The reason of this difference may be that the sample group of this study control of this receiving education in art fields. In fact, the study results in queston were variety with samples chosen without observing fields.

It is seen that the students studying other department and to music mostly at bar/café/restaurant and while studying more significantly in a morarison with the students studying at music departments. It is also observed that the students at music departments significantly prefer listening to music mostly who are not able to play at a statute departments (Table 3). Similarly, the students, who are not able to play at a statute of a comparison with those playing instruments (Table 4). According to the those study of an energy in comparison with those playing instruments (Table 4). According to the those statute of a music mostly at café/bar/ restaurants and while studying. This situa or a mags to the above both the superficial listening defini on of Sloboda (2010) and the rough because of a fini on of Herbert (2012b) menoned in the introduc on part. Since those study main music departments or not having any musical educa on but playing music — way or a other by engaging in playing instrument as formal or informal listen to music more observe, it is assumed that they listen to music with the person whom they haven emo or rela on instead of listening as an accompaniment to spare me ac vity.

According to a 18.5. The female students mostly prefer listen-ing to music at bar/café/restaurant. Anon transport, while reading book/newspapers/ magazines, and when they are with to ir families when compared to male students. How-ever, when the point average are analyzed, the male students mostly prefer listening to music at home and when the point accomparison with female students. In this case, it can be said that the female students and me in listening music outside, in other words they prefer more social sites as for music listening. There are many studies showing that the female students tain according to a tudes to music than male students (as cited in North et al., 2000; 25.8)

According to study findings, the places where the students lis-ten to music and their ways of listening differ to musical genres that they enjoy listening (Table 6). The most remarkable one of these findings is that the ones listening to arabesque music mostly prefer this genre when they are alone or with their darlings in comparison with those listening to other genres. They may prefer to keep it unknown except the person they are in a roman's rela onship with because of the prejudice of the community. Similarly, also those listening to TFM prefer it when they are with the closest people to them such as families and tarlings, and while studying as a nonsocial environment ac vity. However, when those listening to "jazz", "blues" and La n music are observed, the place preferences vary in convolutional those listening to other musical genres. In paral-lel with, the place is not a trial to contain for those listening to these musical genres. The other non-striking result, bearing to the theory of Konecni (1982), is that those enjoying pop music which has an examplexity level and is defined as superfi-cial compared to Western Classical Music parfer is 1994 driving car and spor ng.

In our country, there is much more need for the studies as a sample accepts of music listening situa ons in daily life onmusical preferences on different proble groups with different points of view. It is recommended to be carried on the studies studying the music listening situa ons in the context of mass communica on in Context.

#### REFERENCES

Berg, H. C., Fierros, M. D., & Pérez, P.C. 2015. Cultural habits in teenagers and young adults in Galicia. Observatorio Da Cultura Galega. Retrieved from h p://www.stat.gouv.qc.ca/statistiques/culture/pratiques-culturelles/pratiques-galicie.pdf

Boal-Palheiros, G. M., & Hargreaves, D. J. 2004. Children's modes of listening to music at home and at school. Bulle n of the Council for Research in Music Educa on, 161/162

DeNora, T. 2000. Music in everyday life. United Kingdom: Cambridge University Press. Retrieved from h p://catdir.loc.gov/catdir/samples/cam032/99052606.pdf

Erdal, B. 2009. Müzik tercihi ve kişilik ilişkisi. Cumhuriyet Universitesi (1936. Bilinmer Dergisi, 35(2), 188-196. Retrieved from h p://dergipark.ulakbim.gov.tr/cv2=xoso-loss/se/viewFile/1008000408/1008000336

Erdal, B. 2012. Müzik tercihlerinde inanç biçimlerinin rolü. III. Ulusa rarası Marik Ahmet Sempozyumu, Müziği Algılamak, Sempozyum Tam Me n Kitabı, Kütabıya.

Ginocchio, J. F. 2009. The effects of different amounts and types of mulic training on music style preference. Bulle n of the Council for Research in Music Education 102, 7-18.

Gürgen, E. T. 2015. Musical preference and music educa on: Musical professors of Turkish university students and their levels in genre iden fica of Turkish one journal of Music Educa on, Published online before print DA 31, 2015, doi: 10.1177/0255761415619390

Herbert, R. 2012a. Young people's use and subjective experient of music outside school. Proceedings of the 12th Interna onal Conference Music Percepton and Cognition, Thessaloniki, Greece, 424-431.

Herbert, R. 2012b. Modes of Music listens, and modes of subjec vity in everyday life. Journal of Sonic Studies, 2(1). Retrieved Asm h 3 Cosmal sonic studies.org/vol02/nr01/a05

Helsing, M. 2012. Everyday music Market. The Importance of individual and situa onal factors for musical emo ons and oness of the 12th Interna onal Conference on Music Percep or A. Logni on Thessaloniki, Greece, 414-418.

Juslin, P.N., & Laukka, P. 2003 Expression percep on, and induc on of musical emo ons: A review and a ques onnaive study of everyday listening. Journal of New Music Research, 3(33), 217-238.

Karasar, N. 2002. Bilims araş rma Jontemi (11. Baskı). Ankara: Nobel Yayınları.

Konecni, V. J. 1982. Social Lac on and musical preference. In Deutsch D. (Ed.), The psychology of multi-Stay York: Academic Press.

Lamont, A., Hargres, A., D. J., Marshall, N. A., & Tarrant, M. 2003. Young people's music in and out of school. Bri A. Journal of Music Educa on, 20(3), 229-241.

North, A.C., & Chrigges As, D. J. 2008. The social and applied psychology of music. NewYork: Oxford (1)

Nov.A, A. C., Harry Lives, D. J., & Hargreaves J. J. 2004. Uses of music in everyday life. Music Polynom: An Interdisciplinary Journal, 22(1), 41-77.

North, A. C., Hargreaves, D. J., & O'Neill, S. A. 2000. The importance of music to adolescents. Bri sh Journal of Educa onal Psychology, 70(2), 255-272.

North, A. C., & Hargreaves, D. J.2000. Musical Preferences during and a er relaxa on and exercise. The American Journal of Psychology, 113(1), 43-67.

Saarikallio, S., & Erkkila, J. 2007. The role of music in adolescents' mood regula on Psychology of Music, 35(1), 88-108.

Schäfer, T., Smukalla, M., & Oelker, S. 2013. How music changes our lives: A qualitate study of the long-term effects of intense musical experiences. Psychology of Music, 42(1), doi: 10.1177/0305735613482024.

Schäfer, T. 2008. Determinants of Music Preferences (doctoral thesis). Character. Navaraltz University of Technology.

Sloboda, J. A. 1990. Musical excellence: How does it develop? Inclowed, J. A. (Ed.), Encouraging the development of excep onal skills and talents (pp. 160-178). Let exter: The Bri sh Psychological Society.

Sloboda, J. A., O'Neill, S. A., & Ivaldi, A. 2001. Func ons of An Astronomy Study using the experience sampling method. Musicae State 29, 5(1), 9–32.

Sloboda, J. A. 2010. Music in everyday life: The role of emblace La Justo P. N., & Sloboda J. A. (Eds.) Handbook of Music and Emo on: Theory, research, 1977 (pp. 493-514). New York, NY: Oxford University Press.

Şenel, O. 2013. Müzik algısı, müzik tercihi ve sosyal kimlik bağı kunda müzikte önyargı ve kalıpyargı. Yayımlanmamış doktora tezi, Kastaryan Üniversitesi Güzel Sanatlar Ens tüsü, İzmir.

Tarrant, M., North, A. C, & Hargreaves, D. J. 2 A. English and American adolescents reasons for listening to music.

Psychology of Music, 28(2), 166-173.

Tekman, H. G, & Hortaçsu, N. 2002 Aspector (styles c knowledge: what are different styles like and why do we listen to these

Psychology of Music, 30(1), 29/47.

Todd, J. R., & Mishra, J.2012 — ldng listo Lag instruc on meaningful: A literature review. Na onal Associa on for Musiv Educa on, 31(2), 4-10.

Yağışan, N. 2013. Ünivel ite öğrenci erinin müzik tercihleri ve saldırganlıkla ilişkisi. SED - Sanat Eği mi Dergisi. 1(2) 8-113