Non-verbal communication physical attractiveness and mate choices

ANSHU JOHRY, MONISHA SINGH AND SANGITA SRIVASTAVA

ABSTRACT: It is a universal phenomenon that dressing/clothing has an effect on the personality of an individual. Ones attire along with other attributes is an important component of attracting members of the opposite sex. This study is focused on what people wear and what are the other attributes which are important in mate choices among boys of college going age. A detail questionnaire consisting of about 35 attributes relating to attire, physical fitness and beauty were asked from 200 boys (n=184). Usually men exhibit, more elaborate ornamentation in mate selection displays. It has been an interesting social survey in collecting cues about why men consider so many factors in mate selection.

KEY WORDS: Non-verbal communication, Physical attractiveness, Mate choices, BMI (body mass index), WHR (waist hip ratio)

(Baumeister and Leary, 1995) claims that this need is extremely fundamental and important to human life.

Physical attractiveness:
Physical attractiveness impacts heavily on human mating and non-mating behaviour (Patzer, 2006) and is more important in women than in men (Li and Kenrick, 2006; Gottschall, 2007) body mass and body curvaceousness are two widely acknowledged determinants of women's physical attractiveness. Even though not politically correct and generally perceived as shallow, there is a growing body of evidence that physical attractiveness plays a major role in mate choices (Altemeier et al., 1966; Hatfield and Sprecher, 1986). In general people with similar levels of physical attractiveness seem to date and mate each other (Berscheid et al., 1971).

Waist hip ratio:
The most popular measure of female body curvaceousness is waist hip ratio (WHR), that is, the ratio of waist girth to hip girth. Breast size, being another trait associated with curvaceousness is a weaker determinant of attractiveness than WHR (Singh and Young, 1995). In most human populations, WHR in young women averages 0.75-0.80 and increases with age; WHR in men is higher than in women by about 0.10-0.15 (Molarins et al., 1999) the low ratio of waist-to-hip ratio size in females is a unique human feature (Singh, 1993) and several adaptive mechanisms might have contributed to its evolution. Firstly, the human newborn has a relatively large head and a large pelvis facilitates its delivery (Rosenberg, 1992). Secondly, a narrow waist may indicate the absence of pregnancy and therefore, current fecundity- a feature that ancestral men sought in women. This may be an especially important cue in humans because women do not signal their present fertility in any other easily perceptible way (Singh, 1993). Thirdly, fat, when deposited around the hips rather than the waist, facilitates bipedal stability of pregnant and lactating women (Pawlowski and Grabarczyk, 2003), contains fatty acids beneficial for brain development of the fetus and infant (Lascek and Gaulin, 2008) and may dishonestly signal a broad pelvis and absence of pregnancy so as to make the woman attractive to men (Low et al., 1987; Furnham et al., 2004).

Body mass index (BMI):
Although many tissues contribute to body mass, the amount of adipose tissue is especially strongly related to the body weight (Deurenberg et al., 1991). Among people of normal body mass, fat percentage in women is almost twice as high as in men. The large quantity of adipose tissue in women constitutes a store of energy that can be utilized during pregnancy or lactation (Brown and Konner, 1987).

Body mass in relation to height is commonly determined by body mass index (BMI), which is the weight in kilograms divided by the square of the height in meters (WHO, 2012). Underweight women (BMI<18.5) are physically weak (Artero et al., 2010) and at high risk of developing osteoporosis, ovulatory dysfunction, scoliosis, and intestinal conditions (Lusky et al., 1996). On the other hand, overweight (BMI>25) and especially, obesity (BMI>30) in women is related to an ovulatory cycles (Green et al., 1988), respiratory infections and risk of developing cardiovascular disease, type 2 diabetes.

According to (Morris et al., 1996) wearing clothes without transmitting non-verbal cues is impossible: a person’s dress discloses a great deal about that person like other non-verbal cues, clothing signals can be communicated intentionally or unintentionally and they can thus, be interpreted consciously or unconsciously by the observer (Morris et al., 1996). In other words, clothing, According to Molloy (1977) is a primary impression management tool. Accordingly, the first impression produced as a function of clothing messages leads to different reactions and decisions on the part of the receiver. In long term relationship men like women, prefer intelligent marriage partners, friendliness, sense of humour have been rated highly, just as highly as physical attractiveness and beauty across cultures. Buss found that men rated intelligence, kindness and understanding of a prospective mate as important attributes. These traits were more important than physical attractiveness. The sexual jealousy has a universal influence on dynamics of men’s and women’s relationship, which is beyond the preview of this study. Man rating of women physical traits, including a waist to hip ratio WHR of 0.7, facial feature that signal a combination of sexual maturity, relative youth, body, facial symmetry and age (Cunningham, 1986; Jones, 1995; Jones and Hill, 1993; Kenrick and Keefe, 1992 and Moller et al., 1995).

Body mass index is a measure of leanness to obesity independent of height, is also associated with rated attractiveness. Nume and Montgomerio (2001) found a
negative relation between BMI and the rated attractiveness of women. Women were rated more attractive. The combination of all these traits WHR, age provides cues to women’s fertility, women’s fertility is low in the teen years it peaks at about the age of 25 and then declines to near zero by age 45 (Manken et al., 1986).

A definition of dress :

Dress was defined as an assemblage of body modifications and supplements displayed by a person in communicating with other human beings (Eicher and Roach-Higgins, 1991). Dress, so defined, includes a long list of possible direct modifications of the body such as coiffed hair, coloured skin, pierced ears and scented breath.

S-O-R model :

Mehrabian and Russell’s (1974) SOR model, based on environmental psychology, explain how environments affect behaviour and can be used to explain how dress affects behaviour, because dress can be construed as a micro environment for the body. According to these authors research in environmental psychology has focused on the effect of things in the physical environment on emotions (e.g. pleasure, arousal, dominance) and on a variety of approach avoidance behaviours. The model indicates that stimuli (S) in the environment influence the organism (O) which in turn evokes a behavioural response (R). Researches (Eroglu et al., 2001) have modified the model to include cognition in addition to the emotional states suggested by Mehrabian and Russell as part of (O) because dress stimuli are part of our social environment; it seems plausible to adopt the S-O-R model to explain how dress stimuli affect behaviour. In fact, Lennon and Davis (1989) suggested that impressions (O) as a function of dress (S) affect behavioural responses (R) to target persons. For example, when an individual views someone in creative and pleasing dress, he or she may experience positive affective responses that, in turn, may influence approach behaviour (e.g., standing close, staying around). In contrast, when a person views someone in uncreative and unpleasing dress this may evoke negative affective responses that may in turn result in avoidance behaviour (e.g., stay away from the person).

Hypothesis :

The following hypothesis was formulated for the study:

$H_1$: Dressing sends non-verbal cues to the perceivers.

$H_2$: Dressing transmits messages about the socio-economic background, educational background of a person.

$H_3$: There are other physical cues which affect boys to perceive the level of attractiveness in women.

$H_4$: There are other cues of bodily beauty which effect the level of attraction of body.

$H_5$: Physical fitness is a necessary attribute towards attraction towards women.

Objective :

To investigate the cause and effect of physical attraction of the opposite gender. We framed questions on a detail schedule, based on the following variables such as beauty, physical fitness, proportion, dressing (attire) to explore the importance of non verbal communication in personality traits and to investigate the impact of clothing on human behaviour, the present study was undertaken.

RESEARCH METHODS

Based on the review, we narrowed down the various aspects of personality and personal interview method was used on college going men aged 22-26 years out of 200 only 184 men could be reached for eliciting information through interview. The questions were mostly based on rating scales. Also questions which were structured into yes/no were also asked. The results were completed on a 10 point hedonic scale of likes and dislikes of men on the following variables.

The questions are framed on a detail schedule based on the following variables.

On the basis of the personal interview the rating of the variables on the boys perception is done on 10 point hedonic scale. The boys were asked several structured and unstructured questions about their choices of a mate. The response was different to illicit in open ended questions.

RESEARCH FINDINGS AND DISCUSSION

The results obtained from the present investigation are presented in Tables 1 to 5 and Fig. 1 to 5.

68 per cent men reported that they took non-verbal cues from the attire the women wore, and how they
Table 1 : Showing boy’s perception on dressing

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Average mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>T₁ Footwear</td>
<td>2.1</td>
</tr>
<tr>
<td>T₂ Any jewellary</td>
<td>0.1</td>
</tr>
<tr>
<td>T₃ Make up</td>
<td>1.0</td>
</tr>
<tr>
<td>T₄ Hair styling</td>
<td>2.0</td>
</tr>
<tr>
<td>T₅ Neatness/ untidiness</td>
<td>5.4</td>
</tr>
<tr>
<td>T₆ Fashion</td>
<td>4.8</td>
</tr>
<tr>
<td>T₇ Physical appearance</td>
<td>7.2</td>
</tr>
<tr>
<td>T₈ Proportion</td>
<td>8.4</td>
</tr>
</tbody>
</table>

Table 2 : Physical attribute

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Average mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bodily beauty</td>
<td>7.1</td>
</tr>
<tr>
<td>Hair, face, complexion</td>
<td>5.8</td>
</tr>
<tr>
<td>Secondary sex attributes</td>
<td>7.0</td>
</tr>
</tbody>
</table>

Table 3 : Body language

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Average mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clothing</td>
<td>8.1</td>
</tr>
<tr>
<td>Walking</td>
<td>6.2</td>
</tr>
<tr>
<td>Talking</td>
<td>7.5</td>
</tr>
<tr>
<td>Laughing</td>
<td>4.2</td>
</tr>
<tr>
<td>Voice quality</td>
<td>5.7</td>
</tr>
<tr>
<td>Physical fitness</td>
<td>8.2</td>
</tr>
</tbody>
</table>

Table 4 : Other attributes

<table>
<thead>
<tr>
<th>Independent variables</th>
<th>Average mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sense of humour</td>
<td>7.6</td>
</tr>
<tr>
<td>Intelligence</td>
<td>8.0</td>
</tr>
<tr>
<td>Understanding</td>
<td>7.9</td>
</tr>
</tbody>
</table>

Table 5 : Dressing sense

<table>
<thead>
<tr>
<th>Variables (clothing)</th>
<th>Average mean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Descent</td>
<td>9.6</td>
</tr>
<tr>
<td>Indescent</td>
<td>5</td>
</tr>
<tr>
<td>Vulgar</td>
<td>3</td>
</tr>
</tbody>
</table>
but much less than the traits of bodily beauty.

In Fig. 4, dressing/clothing was complimentary to physical fitness. Talking and voice was highly rated.

In Table 4 Intelligence and sense of humour and understanding all of them being functions of brain, were rated above 7, which is a very high score on cognitive function.

Table 5 indicated that descent dressing was given a high rating, which is also a cognitive function; much thinking goes in the way. Appearances are created to illicit a response. The finding indicates, that thought changes into dress and dress changes into response from others.

As per the response from Fig. 5 it is evident that each human being sends about 35 attributes on non-verbal cues to the perceiver. Dressing/clothing got a high score of 8.1, which also collaborates, why women invest so much in dressing up. As per the findings men laid much higher emphasis on physical fitness of the woman and bodily proportions which are indicated by researchers earlier also in WHR of 0.6–0.7. This is the most pleasing figure as it is instinctively tells the perceiver about the physical good health/fitness of the woman and she being in readiness to fertility. This being the basis of attraction to the opposite sex. The dress is given due importance because of its social significance of indicating class, education and background. Conclusion based on the analysis of data and review of related literature the study found that beauty, physical fitness, attire and other personality traits form an interesting analogy of how and why men are attracted to women. It is supported that dress is considered as an aspect of non-verbal communication and has social significance. The most important cue is the WHR (waist hip ratio of 0.7 which holds a high value on the hedonic scale, followed by clothing cues and bodily beauty. Clothing is second skin, to an otherwise beautiful or ugly body. The focus of attractiveness rests on WHR (waist hip ratio) rather than the second skin (clothing). The second skin (dressing) may compliment a beautiful body. The hypothesis \( H_1, H_2, H_3, H_4 \) and \( H_5 \) were found to be correct.

Good physical and hormonal health is reflected in the physical fitness level which is an important aspect for progeny from the selected mate. This forms the evolutionary basis of being attracted to the women of that age. Men having to play a miniscule, but significant role in the reproductive task takes very fine cues towards selection of a mate, cues are also taken from bare parts of woman’s body, where fashion has extended its boundaries to give a glimpse of real proportions.

Interestingly, humours, understanding and intelligence hold equal importance, as that of beauty. Men were found to be more attracted to higher intelligence level. Sense of humour, understanding and intelligence show a score of 7.6, 7.9 and 8, respectively. The cognitive factors played as significant a role as physical beauty.

It can conclusively be reported that brains and beauty are on equal footing in terms of attraction to the opposite sex.

It will be further very interesting to collect data on how women choose a mate and what are the underlying features.

Authors’ affiliations:
MONISHA SINGH AND SANGITA SRIVASTAVA, Department of Home Science, University of Allahabad, ALLAHABAD (U.P.) INDIA

REFERENCES


