Fashion Images Generation Human Evaluation Part 1#1

Welcome to Part 1 of the Survey!

Introduction:

As part of my research in Fashion and AI, I am conducting a human evaluation study focused on assessing the quality of fashion outfit images and descriptions generated by generative machine learning models and large language models. The purpose of this study is to gather valuable insights into the effectiveness and naturalness of the generated content, ultimately contributing to advancements in the field of artificial intelligence and fashion technology.

Objective:

The primary objective of this human evaluation is to gauge human perception and preference regarding the generated fashion outfit images and descriptions. By collecting feedback from participants, we aim to evaluate the quality, relevance, coherence, and overall impression of the generated content.

Procedure:

Initially, participants will provide demographic information to elucidate their background. Subsequently, they will engage in three separate experiments. The initial two experiments will involve evaluating both the image and description of a fashion outfit using an absolute rating method and predefined criteria. In the third experiment, participants will be tasked with comparing and ranking the outcomes of various methods.

In addition to the experiments, we have included here a brief reference on different styles of fashion along with some images of outfits that serve as a ground truth. These images are derived from online searches and are intended to provide participants with examples of various fashion aesthetics, enriching their understanding and appreciation of different styles.

Important: The survey consists of two parts, with the first part comprising the first and second experiments. The third experiment is included in the second part, which follows after completion of this initial segment.

Instructions:

Please carefully examine each fashion outfit image and each outfit description.

Rate every question based on the provided criteria.

Confidentiality:

Your responses will remain anonymous and confidential. They will only be used for research purposes and will not be shared with any third parties.

Conclusion:

Your participation in this human evaluation study is greatly appreciated and will contribute to advancing our understanding of the capabilities and limitations of generative machine learning models and large language models in the context of fashion outfit generation. Thank you for your valuable input.

* Indicates required question

Tutorial on Styles

In the realm of fashion, various styles reflect individual preferences, cultural influences, and personal expression. Below, we present a brief overview of some prominent styles to enhance your understanding as you evaluate the generated fashion outfits:

- 1. **Casual Style:** Casual fashion emphasizes comfort and practicality without sacrificing style. It often includes relaxed silhouettes, comfortable fabrics, and versatile pieces that can be easily mixed and matched. Common elements of casual attire may include jeans, t-shirts, sneakers, and loose-fitting tops.
- 2. **Classic Style:** Classic fashion embodies timeless elegance and sophistication. It revolves around refined silhouettes, neutral colors, and tailored pieces that exude timeless appeal. Key staples of classic attire include tailored blazers, button-down shirts, pencil skirts, and well-fitted trousers.
- 3. **Bohemian Style:** Bohemian fashion embraces free-spiritedness, creativity, and a laid-back attitude. It draws inspiration from diverse cultures, nature, and artistic influences. Boho attire often features flowy fabrics, eclectic patterns, layered textures, and accessories such as fringe, beads, and feathers.
- 4. Gothic Style: Gothic fashion is characterized by its dark and dramatic aesthetic, drawing inspiration from themes of mystery, romance, and subculture. It typically incorporates black clothing, intricate lace, leather accents, and bold accessories like chokers and statement jewelry. Gothic attire often evokes a sense of rebellion and individuality.
- 5. Sporty Style: Sporty fashion merges functionality with style, reflecting an active and dynamic lifestyle. It encompasses athleisure wear, performance fabrics, and athletic-inspired pieces that blur the lines between activewear and everyday clothing. Sporty attire may include leggings, hoodies, sneakers, and streamlined silhouettes designed for movement.

Gothic Style



Bohemian Style



Casual Style



Sporty Style



Classic Style





Demographic information

1.	Please specify your age range. *
	Mark only one oval.
	<u> </u>
	18-30
	31-40
	41-50
	51-60
	61+
2.	Please indicate your gender identity. *
	Mark only one oval

Male

Female

Non-binary

Prefer not to say

3.	What is your primary occupation? *									
	Mark only one oval.									
	Student									
	Employed full-time									
	Employed part-time Self-employed									
	Unemployed									
	Retired									
	Other:									
4.	Is your primary occupation related to art? *									
	Mark only one oval.									
	Yes									
	No									
5.	What is your highest level of education completed? *									
	Mark only one oval.									
	High school or equivalent									
	Bachelor's degree									
	Master's degree									
	Doctoral degree									
	Other:									

6.	How interested are you in fashion on a scale of 1 to 5 (1 being not interested, 5 being very interested)?	*
	Mark only one oval.	
	1 2 3 4 5	
	Not O O Very interested	
7.	How familiar are you with machine learning and artificial intelligence technologies on a scale of 1 to 5 (1 being not familiar, 5 being very familiar)?	*
	Mark only one oval.	
	1 2 3 4 5	
	Not O Very familiar	
8.	How often do you engage with fashion-related content or activities (e.g., shopping, reading fashion magazines, following fashion influencers) on a weekly basis?	*
	Mark only one oval.	
	Rarely or never	
	Once a week	
	2-3 times a week	
	Almost daily	
	C Every day	

9.	Which cultural background or region do you identify with? *
	Mark only one oval.
	North America
	South America
	Europe
	Asia
	Africa
	Australia/Oceania
	Other:
10.	What is your proficiency level in English? *
	Mark only one oval.
	Native/fluent
	Proficient
	Intermediate
	Basic
	Not proficient
11	Hove you portion and in circilar atualise or consciprents related to fachion before?
11.	Have you participated in similar studies or experiments related to fashion before?
	Mark only one oval.
	Yes
	No

12.	Have you participated in similar studies or experiments related to machine learning before?	*
	Mark only one oval.	
	Yes	
	No	

First Experiment

Instructions: You will be shown a fashion outfit image along with the style, the gender/ type of person wearing it and the occasion and asked to evaluate its visual appeal, relevance, creativity, coherence, and overall impression. Please provide your feedback relative to each aspect mentioned.

Style: bohemian

Gender/Type: woman

Occasion: a halloween party



13. On a scale of 1 to 5, how well does the outfit align with the style given? *

Mark only one oval.

On a scal				
Mark only	one o	val.		
1	2	3	4	5
Not				Highly suitable
On a scal	le of	1 to	5, ho	ow fitting is the outfit for the gender/type given?
Mark only	one o	val.		
1	2	3	4	5
Not On a scal	le of	1 to	5, ho	Very fitting ow creative is the outfit? *
On a scal	one o	val.		ow creative is the outfit? *
On a scal		val.		
On a scal	one o	val.		ow creative is the outfit? *
On a scal Mark only 1	one o	val.		ow creative is the outfit? *
On a scal Mark only 1 Not	one o	val.	4	ow creative is the outfit? *
On a scal Mark only 1 Not	one o	3 1 to	4	ow creative is the outfit? * 5 Very creative
On a scal Mark only 1 Not On a scal	one o	3 1 to	4 	ow creative is the outfit? * 5 Very creative

18.	On a scale of 1 to 5, how well do the clothes and accessories in the outfit match? *						
	Mark only one oval.						
	1 2 3 4 5						
	Not Perfectly matching						
19.	Are there any abnormalities or inconsistencies in the image? *						
	Mark only one oval.						
	Yes						
	No Skip to question 21						
Add	ditional Question						
20.	Despite any abnormalities or inconsistencies, do you believe the image could serve as inspiration for a fashion designer?						
	Mark only one oval.						
	Yes						
	No						
	I don't know						
Sed	cond image						

Style: bohemian

Gender/Type: a short, curvy man with a muscular build

Occasion: a job interview



21. On a scale of 1 to 5, how well does the outfit align with the style given? *

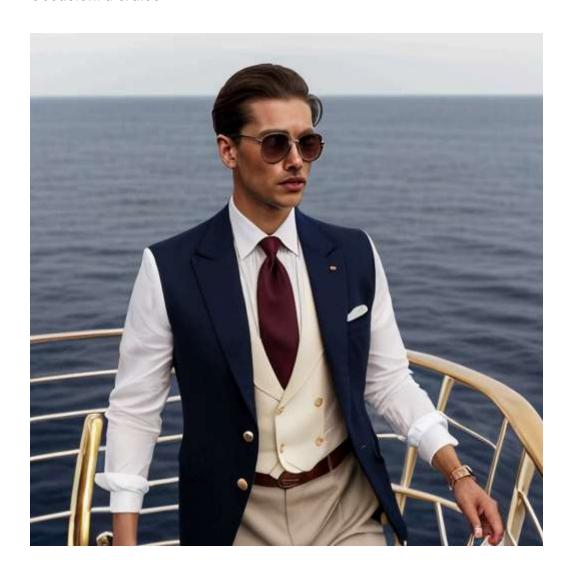
Mark only one oval.

22.	On a scale of 1 to 5, how suitable is the outfit for the occasion given? *
	Mark only one oval.
	1 2 3 4 5
	Not
00	
23.	On a scale of 1 to 5, how fitting is the outfit for the gender/type given?
	Mark only one oval.
	1 2 3 4 5
	Not O O Very fitting
24.	On a scale of 1 to 5, how creative is the outfit? *
	Mark only one oval.
	1 2 3 4 5
	Not Very creative
25.	On a scale of 1 to 5, rate the aesthetic appeal of the outfit. *
	Mark only one oval.
	1 2 3 4 5
	Not Highly aesthetically appealing

26.	On a scale of 1 to 5, how well do the clothes and accessories in the outfit match? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly matching
27.	Are there any abnormalities or inconsistencies in the image? *
	Mark only one oval.
	Yes
	No Skip to question 29
Ad	ditional Questions
28.	Despite any abnormalities or inconsistencies, do you believe the image could serve as inspiration for a fashion designer?
	Mark only one oval.
	Yes
	○ No
	I don't know
Th	ird Image

Style: classic

Gender/Type: man Occasion: a cruise



29. On a scale of 1 to 5, how well does the outfit align with the style given? \star

	1	2	3	4	5	
Not						Perfectly

On a	scale	e of	1 10	,		
Mark	only d	one o	val.			
	1	2	3	4	5	
Not					O Hig	ghly suitable
On a	scale	e of	1 to	5, ho	w fitting	g is the outfit for the gender/type given?
Mark	only d	one o	val.			
	1	2	3	4	5	
		_				
Not					O Ve	ry fitting —
	only d	one o	val.		w creat	ry fitting ive is the outfit? *
On a Mark			val.	5, ho	w creat 5	ive is the outfit? *
On a	only d	one o	val.		w creat 5	
On a Mark	1	2	3 <u> </u>	4	w creat	ive is the outfit? *
On a Mark	1 Scale	2 e of	3 1 to	4	w creat	ive is the outfit? * ry creative
On a Mark Not	1 Scale	2 e of	3 1 to	4	w creat	ive is the outfit? * ry creative

34.	On a scale of 1 to 5, how well do the clothes and accessories in the outfit match? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly matching
35.	Are there any abnormalities or inconsistencies in the image? *
	Mark only one oval.
	Yes
	No Skip to question 37
Ad	ditional Question
36.	Despite any abnormalities or inconsistencies, do you believe the image could serve as inspiration for a fashion designer?
	Mark only one oval.
	Yes
	No
	O I don't know
Fo	urth Image

Style: gothic

Gender/Type: man

Occasion: winter vacation



37. On a scale of 1 to 5, how well does the outfit align with the style given? *

Mark only one oval.

	1	2	3	4	5	
Not						Perfectly

38.	On a scale of 1 to 5, how suitable is the outfit for the occasion given?*
	Mark only one oval.
	1 2 3 4 5
	Not
39.	On a scale of 1 to 5, how fitting is the outfit for the gender/type given?
	Mark only one oval.
	1 2 3 4 5
	Not
40.	On a scale of 1 to 5, how creative is the outfit? *
	Mark only one oval.
	1 2 3 4 5
	Not
41.	On a scale of 1 to 5, rate the aesthetic appeal of the outfit. *
	Mark only one oval.
	1 2 3 4 5
	Not Highly aesthetically appealing

42.	On a scale of 1 to 5, how well do the clothes and accessories in the outfit match? *							
	Mark only one oval.							
	1 2 3 4 5							
	Not Perfectly matching							
43.	Are there any abnormalities or inconsistencies in the image? *							
	Mark only one oval.							
	Yes							
	No Skip to question 45							
Ad	ditional Question							
44.	Despite any abnormalities or inconsistencies, do you believe the image could serve as inspiration for a fashion designer?							
	Mark only one oval.							
	Yes							
	No							
	O I don't know							
Fif	th Image							

Style: bohemian

Gender/Type: a small-framed, delicate woman

Occasion: a cocktail party



45. On a scale of 1 to 5, how well does the outfit align with the style given? *

	1	2	3	4	5	
Not						Perfectly

46.	On a scale of 1 to 5, how suitable is the outfit for the occasion given? *
	Mark only one oval.
	1 2 3 4 5
	Not
47.	On a scale of 1 to 5, how fitting is the outfit for the gender/type given?
	Mark only one oval.
	1 2 3 4 5
	Not O Very fitting
48.	On a scale of 1 to 5, how creative is the outfit? *
	Mark only one oval.
	1 2 3 4 5
	Not O O Very creative
49.	On a scale of 1 to 5, rate the aesthetic appeal of the outfit. *
15.	
	Mark only one oval.
	1 2 3 4 5
	Not Highly aesthetically appealing

50.	50. On a scale of 1 to 5, how well do the clothes and accessories in the outfit mate								
	Mark only one oval.								
	1 2 3 4 5								
	Not Perfectly matching								
51.	Are there any abnormalities or inconsistencies in the image? *								
	Mark only one oval.								
	Yes								
	No Skip to question 53								
Ad	ditional Question								
52.	Despite any abnormalities or inconsistencies, do you believe the image could serve as inspiration for a fashion designer?								
	Mark only one oval.								
	Yes								
	No								
	I don't know								
Se	cond Experiment								
ger	tructions: You will be presented with a fashion outfit description along with the style, the nder/ type of person wearing it and the occasion and asked to assess its clarity, nerence, and relevance. Please provide your feedback based on each mentioned aspect.								

Style: gothic

Gender/ Type: woman

Occasion: a bar

Description: The woman's gothic outfit consists of a black, tailored Victorian-style dress with intricate lace detailing, paired with a deep red velvet cloak with intricate silver embroidery. The ensemble is completed with a pair of black leather ankle boots and a matching black leather handbag. The colors utilized in the outfit are a dark, rich mix of black, red, and silver, while the textures include the smooth, velvety fabric of the dress and the plush, embossed velvet of the cloak.

53.	On a scale of 1 to 5, how comprehensible is the description? *

Mark only one oval.

	1	2	3	4	5	
Not (\bigcirc					Very comprehensible

54. On a scale of 1 to 5, how coherent is the description? *

Mark only one oval.



55. On a scale of 1 to 5, how suitable is the outfit described for the occasion? *



56.	On a scale of 1 to 5, how suitable is the outfit described for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not
57.	On a scale of 1 to 5, how well does the outfit described align with the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly appropriate
58.	On a scale of 1 to 5, how suitable are the colors used for the occasion? * Mark only one oval.
	1 2 3 4 5
	Not
59.	On a scale of 1 to 5, how suitable are the colors used for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not

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60.	On a scale of 1 to 5, how suitable are the colors used for the style? *
	Mark only one oval.
	1 2 3 4 5
	Not
61.	On a scale of 1 to 5, how suitable are the textures used for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not
62.	On a scale of 1 to 5, how suitable are the textures used for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not
63.	On a scale of 1 to 5, how suitable are the textures used for the style? *
	Mark only one oval.
	1 2 3 4 5
	Not O O Highly suitable

Second Description

Style: casual

Gender/ Type: a small-framed, delicate woman

Occasion: a wedding

Description: For a delicate woman attending a wedding, a casual yet elegant outfit would be perfect. A pastel palette of soft blues, pinks, and yellows would flatter her small frame. A delicate floral print or a subtle polka-dot pattern would be suitable for the occasion. A lightweight, flowy dress in a neutral color, paired with a delicate, neutral-colored shawl or a statement necklace, would complete the look. For footwear, a pair of neutral-colored, low-heeled pumps or loafers would be comfortable and stylish.

64.	On a scale of	1 to 5, l	how com	prehensible	is the	description?
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Mark only one oval.

	1	2	3	4	5	
Not						Very comprehensible

65. On a scale of 1 to 5, how coherent is the description? *

Mark only one oval.

	1	2	3	4	5	
Not						Very coherent

66. On a scale of 1 to 5, how suitable is the outfit described for the occasion? *



67.	On a scale of 1 to 5, how suitable is the outfit described for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not
68.	On a scale of 1 to 5, how well does the outfit described align with the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly appropriate
69.	On a scale of 1 to 5, how suitable are the colors used for the occasion? * Mark only one oval.
	1 2 3 4 5
	Not
70.	On a scale of 1 to 5, how suitable are the colors used for the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Highly suitable

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71.	On a scale of 1 to 5, how suitable are the colors used for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not Highly suitable
72.	On a scale of 1 to 5, how suitable are the textures used for the gender/type?
	Mark only one oval.
	1 2 3 4 5
	Not Highly suitable
73.	On a scale of 1 to 5, how suitable are the textures used for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not
74.	On a scale of 1 to 5, how suitable are the textures used for the style? *
	Mark only one oval.
	1 2 3 4 5
	Not

Third Description

Style: classic

Gender/ Type: woman Occasion:a city tour

Description: The perfect ensemble for a city tour in classic style includes a cream-colored tailored blazer, a navy silk blouse, and a beige tweed skirt. Accessorize with gold-tone hoop earrings, a classic leather handbag, and a delicate silk scarf. Complete the look with a pair of neutral-colored pumps.

75. On a scale of 1 to 5, how comprehensible is the description? *

Mark only one oval.



76. On a scale of 1 to 5, how coherent is the description? *

Mark only one oval.



77. On a scale of 1 to 5, how suitable is the outfit described for the occasion? *



78.	On a scale of 1 to 5, how suitable is the outfit described for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not
79.	On a scale of 1 to 5, how well does the outfit described align with the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly appropriate
80.	On a scale of 1 to 5, how suitable are the colors used for the occasion? * Mark only one oval.
	1 2 3 4 5
	Not
81.	On a scale of 1 to 5, how suitable are the colors used for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not

13 1 101							r asilion illiages Generation Fluman Evaluation Fatt 1#1
82.	On a s	cale	e of '	1 to 5	ō, ho	w su	itable are the colors used for the style? *
	Mark o	nly c	ne o	val.			
		1	2	3	4	5	
	Not (Highly suitable
83.	On a s	cale	e of '	1 to 5	5, ho	w su	itable are the textures used for the style? *
	Mark o	nly c	ne o	val.			
		1	2	3	4	5	
	Not (Highly suitable
84.	On a s	cale	e of [*]	1 to 5	5, ho	w su	itable are the textures used for the gender/type?
	Mark o	nly c	ne o	val.			
		1	2	3	4	5	
	Not (Highly suitable
85.	On a s	cale	e of 1	1 to 5	ō, ho	w su	itable are the textures used for the occasion? *
	Mark o	nly c	ne o	val.			
		1	2	3	4	5	
	Not (Highly suitable

Fourth description

Style: classic

Gender/ Type: a small-framed, delicate woman

Occasion: winter vacation

Description: A classic winter vacation outfit for a small-framed, delicate woman could include a

tailored black blazer with gold buttons, paired with a crisp white button down shirt. The shirt could be

tucked into a pair of high-waisted, dark wash denim jeans that fit comfortably but not too loosely. To add

some height and dimension to the outfit, a pair of block heeled ankle boots in a rich brown or burgundy color

would be a great choice. For accessories, a thin gold belt and a statement gold necklace would elevate the

look, while a pair of delicate stud earrings and a small clutch in a complementary color would complete the outfit.

86. On a scale of 1 to 5, how comprehensible is the description? *

Mark only one oval.

1 2 3 4 5

Not O O O Very comprehensible

87. On a scale of 1 to 5, how coherent is the description? *

Mark only one oval.

88.	On a scale of 1 to 5, how suitable is the outfit described for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not
89.	On a scale of 1 to 5, how suitable is the outfit described for the gender/type? *
	Mark only one oval.
	1 2 3 4 5
	Not Highly suitable
90.	On a scale of 1 to 5, how well does the outfit described align with the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly appropriate
91.	On a scale of 1 to 5, how suitable are the colors used for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not

92.	On a scale	of 1	to 5	5, ho	w sı	itable are the colors used for the gender/type? *
	Mark only o	ne o	val.			
	1	2	3	4	5	
	Not (Highly suitable
3.	On a scale	of 1	to 5	5, ho	w sı	uitable are the colors used for the style? *
	Mark only o	ne o	val.			
	1	2	3	4	5	
	Not (Highly suitable
ŀ.	Mark only o			4	5	itable are the textures used for the style? *
	Not () (Highly suitable
	Not					Trigrily Suitable
j.	On a scale	of 1	to 5	5, ho	w sı	uitable are the textures used for the gender/type?
	Mark only o	ne o	val.			
	1	2	3	4	5	
	Not (Highly suitable

96.	On a scale of	1 to 5	, how suitable are	the textures	used for the	occasion? *
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Mark only one oval.



Fifth Description

Style: sporty

Gender/ Type: woman

Occasion: a work / office event

Description: A sporty style outfit for a woman attending a work or office event could include a tailored

blazer in a bold color such as navy blue or burgundy, paired with a crisp white button-down shirt. The shirt

could feature a slim fit and a subtle collar, with a few buttons left undone to add a casual touch. A pair of

high-waisted, dark wash denim jeans would complete the look, along with a sleek black leather belt and a pair

of black ankle boots with a pointed toe. To accessorize, a silver watch and simple gold hoop earrings would

add a touch of sophistication, while a black leather bag with gold hardware would provide a functional yet

stylish option for carrying essentials. Overall, this outfit strikes a balance between professionalism and

playfulness, making it perfect for a work or office event.

97. On a scale of 1 to 5, how comprehensible is the description? *

	1	2	3	4	5	
Not						Very comprehensible

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98.	On a scale of 1 to 5, how coherent is the description? *
	Mark only one oval.
	1 2 3 4 5
	Not
99.	On a scale of 1 to 5, how suitable is the outfit described for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not O O Highly suitable
100.	On a scale of 1 to 5, how suitable is the outfit described for the gender/type?
	Mark only one oval.
	1 2 3 4 5
	Not
101.	On a scale of 1 to 5, how well does the outfit described align with the style? *
	Mark only one oval.
	1 2 3 4 5
	Not Perfectly appropriate

102.	On a scale of 1 to 5, how suitable are the colors used for the occasion? *
	Mark only one oval.
	1 2 3 4 5
	Not
103.	On a scale of 1 to 5, how suitable are the colors used for the style? *
	Mark only one oval.
	1 2 3 4 5
	Not
104.	On a scale of 1 to 5, how suitable are the colors used for the gender/type? * Mark only one oval. 1 2 3 4 5 Not
105.	On a scale of 1 to 5, how suitable are the textures used for the gender/type?
	Mark only one oval.
	1 2 3 4 5
	Not

On a scale of 1 to 5, how suitable are the textures used for the style? *
Mark only one oval.
1 2 3 4 5 Not
On a scale of 1 to 5, how suitable are the textures used for the occasion? * Mark only one oval.
Not Highly suitable

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