

Working Man's Blues: How Occupational Identity Shapes Emotional Experience

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Abstract: How does occupational identity shape emotional experience? Prior work has largely framed occupation and emotion in terms of occupational status differentials or emotional labor and management, tying the production and expression of emotion to structural or cultural forces of power. Complementing and building on this work by using an identity-centered approach informed by Affect Control Theory, this paper asks how being in one occupational identity versus another influences the emotions one is likely to experience in everyday life. Occupational identities generate daily interaction sets with typical others which create opportunities for identity maintenance and confirmation. When identities are confirmed, individuals feel emotions that are similar in cultural meaning to the identity. Analysis of the emotions module of the 1996 GSS finds support for the hypothesis that as emotions are further away in cultural meaning from the meaning of one's occupational identity, they are less frequently reported as part of weekly experience. This relationship is stronger for those with more material resources, men, and older individuals, signifying that having interactional resources that aid in defining the situation allow those with more status and material resources to be more effective at maintaining their identity.

Introduction

How does occupying an occupational identity determine which sorts of emotions an individual experiences in everyday life? Prior work has framed this question largely in terms of the relationships between the power and prestige structure and enforcement of emotion norms (Collett and Lizardo 2010; Hochschild 2012a; Kemper 1978; Lively and Powell 2016). In general, this work has focused on explaining who is more likely to experience and suppress expression of negative emotions as a consequence of the lower status of an occupation and who has to produce emotions as part of their work (Hochschild 2012a). This study, however, takes a more explicitly identity-centered approach to argue that one's occupational identity shapes emotional experience by influencing the social interactions within the work environment and the emotional consequences that result from them. I hypothesize that individuals report experiencing emotions that are closer in meaning to their occupational identity more frequently than those that are less similar in cultural meaning.

Working adults spend the majority of their waking hours enmeshed in the identity associated with their job – their occupational identity (Fine 1996; Phelan and Kinsella 2009). Occupations clearly have differing levels of material rewards and requirements attached to them – the income earned, the hours worked, and the education and network ties required to attain them. But these role-identities also have different cultural meanings, namely how good the occupation is, how powerful it is, and how active they are (Freeland and Hoey 2018; Heise 2007). These meanings shape the types of interactions one has with other individuals in daily life. For example, a lawyer's day is more likely to involve interactions with clients, other lawyers, or judges in which they are treated as an expert guiding others through a complicated legal process. These interactions, when they go well, may engender feelings of contentment or self-respect; if they go poorly, they may evoke frustration or resentment. Identity theorists have long suggested that individuals largely strive to maintain their identities through interactions (Burke and Stets 2009; Heise 2007). Doing so with regard to occupational identity means meeting the societal expectations associated with one's job's meaning.

Using this logic and taking a specifically Affect Control Theory approach, this paper tests the hypothesis that working adults are more likely to report feeling emotions that are close in meaning to the sentiment of their occupational identity. Further, the more material power and resources you have to help you define and control the situation, the stronger this relationship will be because you are more effective at maintaining the identity.

Background

Occupations and Emotions

Prior work on occupational identity and emotional experience has generated two key strands of knowledge that situate the current study. First, there is a relationship between the power and status of an individual's occupation and their likelihood of feeling and displaying powerful negative emotions, specifically anger (Collett and Lizardo 2010; Lively and Powell 2016; Park et al. 2013). Second, for many occupations, there is an expectation that performing and managing emotions is part of one's occupational duties (Hochschild 2012a; Lively 2000, 2002).

Status and Negative Emotions There is evidence that experiencing and expressing negative emotion is connected to one's occupational prestige and general status position. In the first case, individuals of low occupational status are likely to experience negative emotions such as anger or resentment as a result of feeling disrespected in interactions in which they have little to power over affecting outcomes (Bonilla-Silva 2019; Foy et al. 2014). Furthermore, lower status occupations tend to also be more insecure, both in terms of material benefits such as salary and benefits, but also in the hours or even days one works, all of which create stress and work-life balance conflicts, which have been linked to negative emotional and health outcomes (Schneider and Harknett 2019).

On the other hand, expressing anger toward others is typically viewed as a signal of power or authority, and thus typically reserved for individuals in high-status occupations or those in leadership positions (Collett and Lizardo 2010; Shao and Guo 2020). Along these lines, individuals are more likely to express post-event anger to someone of lower or equal status when the situation was created by a higher-status individual (Lively and Powell 2016). Individuals in lower status positions are also more often sanctioned professionally and interactionally for expressing anger towards others. A stereotype illuminating this finding is that of the "angry black woman," a controlling image used to delegitimize the expertise and claims of black women by pathologizing their emotional expression (Harlow 2003; Wingfield 2010). In this way, extreme negative emotions may be more often experienced by lower status individuals in occupations, but only acceptably expressed by those in the higher status positions of the occupational landscape.

Emotional Labor

The second vein of research on occupational emotional experience views emotions as something that are managed to align with broader cultural norms around when, which, and whose display of emotions are appropriate – termed "feeling rules" (Hochschild 2012a). The classic example of this is a service worker who is expected to produce pleasant emotions and manage the emotions of customers as part of their job expectations

(Ashforth and Humphrey 1993; Brotheridge and Grandey 2002; Grandey 2000; Hochschild 2012b). This work shows that to fulfill job expectations for service work positions, individuals are required to manage customers' emotions and produce positive, calming emotions as part of their occupational expectations (producing "emotional labor"). This can lead to feelings of burnout, inauthenticity, and exhaustion, especially when there is large difference in the emotion produced because of the job requirement and the emotion felt spontaneously as a result of an interaction (Brotheridge and Grandey 2002). Notably, further work has extended the understanding of emotional labor into non-service based professions, illuminating how individuals manage emotions within professional organizations through interpersonal reciprocal acts of emotional support amongst higher and similar-status others within an organization (Lively 2000, 2002). Taken together, these two strands of work suggest that individuals higher in the status hierarchy may have both more leeway to express extreme emotions and the benefit of those in lower status positions deferring to their definition of the situation in order to manage their emotions.

These insights lead to two questions that motivate this paper. First – is emotional experience, beyond the bounds of powerful, negative emotions such as anger, distributed according to one's occupational identity? If so, what explains this relationship? Second, does one's access to material resources or social status impact the relationship between occupational identity and emotional experience? I use Affect Control Theory as the theoretical basis of the hypotheses I develop and test to answer these questions. Specifically, I argue that emotional experience is linked to the cultural meaning of an individual's occupational identity. As individuals strive to maintain their identity in day-to-day situations, they have interactions which cause them to feel emotions that are similar in meaning to their occupational identity. Having more material resources and social status strengthens the relationship between identity and emotional experience by providing interactional resources which affect the power an individual has in controlling their interactions.

Affect Control Theory

Affect Control Theory is a formal theory of social behavior that rests upon the fundamental principle that individuals act in ways to maintain cultural meaning. Drawing from research on how cultural meaning inheres in language and deriving from the symbolic interactionist tradition, Affect Control Theory advances the idea that words not only have cognitive or denotive meaning, but also affective meaning. For instance, while "Mother" specifically means a woman who is the parent of a child, it also has the affective meanings associated with how good we think Mothers¹ are, how powerful Mothers are, and how active Mothers are. These three

¹Mother is capitalized to follow the Affect Control Theory tradition when indicating a measured identity. All references to measured identities, behaviors, and emotions will be capitalized.

dimensions of meaning: Evaluation, corresponding to good/bad, Potency to powerful/weak, and Activity to active/inactive, cover much of the variation in affective sentiment. Affect Control Theory researchers have conducted studies in various cultures in which they have individuals rate concepts along those three dimensions, resulting in estimates of the mean Evaluation, Potency, and Activity (EPA, hereafter) of many social identities and behaviors from a scale of -4.3 to 4.3. For instance, the EPA value of Mother in the most recent ACT dictionary is (3.05, 2.66, 0.76), meaning that in the U.S., Mothers are seen as very good, very powerful, and moderately active (Smith-Lovin, Robinson, Cannon, Clark, Freeland, Morgan and Rogers 2016)². These culturally agreed-upon locations within affective space for identities and behaviors are termed fundamental sentiments; they represent the baseline cultural meaning of social terms.

In turn, Affect Control Theory argues that individuals cognitively define situations, in the form of an Actor doing a Behavior to an Object identity, and affectively react to that definition. As a result of situations, the impressions of these elements of the situation shift, due to how well the other aspects of the situation cohere with the cultural sentiment of each other (Heise and Smith-Lovin 1981). The sentiments of elements of a situation after an event have occurred are called the transient impressions of the Actor, Behavior, and Object. The affective control principle of the theory hinges on the difference between transient impressions and the fundamental sentiments for the elements of the situation. The deflection, or the sum of squared differences between the transient and fundamental E, P, and A values of the actor, behavior, and object, is the indicator of cultural (dis)confirmation. Higher deflection scores indicate more movement within the three-dimensional affective space, and as a result, are more culturally unlikely and unexpected (Heise and Mackinnon 1987). As an indication of affective movement, deflection is considered an emotional sense of unsettlement or anxiety about the situation and prompts individuals in a situation to act in such a way as to decrease deflection as much as possible.

Emotions in ACT

Affect Control Theory involves affect both broadly as cultural sentiments, situational impressions of identities and actions, and as specifications of feelings that result as a consequence of events. The latter feelings are considered to be “situationally episodic and ephemeral affective experiences we call emotions” (MacKinnon 1994:123). Just as identities and behaviors exist in EPA space, so do words that indicate emotions such as Annoyed, which is bad, slightly weak, and slightly active (-2.08, -0.57, 0.53) or Proud, which is good, powerful, and moderately active (2.17, 2.28, 1.15).

In a similar way to the estimation of the impression formation equations that suggest what affects post-event impressions, Averett and Heise (1987) estimated attribution equations that predicted emotional

²All EPA measurements referenced in this paper come from this dictionary.

attributions for the Actor or Object that “would combine with a known identity to make sense of an observed social event” (Robinson and Smith-Lovin 1999:78). Flipping the understanding of these attribution equations from how observers would expect an actor or object to feel after an event to predicting emotional expression following an interaction, these attribution equations came to be the emotion equations (Averett and Heise 1987; Heise and Thomas 1989; MacKinnon 1994).

These equations suggest that emotions are the product of two elements: the deflection, or how different the transient impressions are from the fundamental sentiments, and the transient impression of the actor or object in question (MacKinnon 1994; Robinson and Smith-Lovin 2006). This exemplifies that the fundamental sentiment itself matters in predicting the likelihood of certain emotions. If there is very little or no deflection, the transient impression will be equal to the fundamental sentiment and the Actor or Object will be predicted to feel an emotion that is similar in EPA to its identity’s fundamental sentiment (Robinson and Smith-Lovin 2006). This type of emotion is called a characteristic emotion, and it occurs in situations in which identities are perfectly confirmed.

This means that identities which are higher in evaluation have characteristic emotions that are similarly high in evaluation – e.g. some characteristic emotions of a Child are Elated and Amused (MacKinnon 1994). Conversely, identities that are not socially valued or powerless will feel corresponding emotions when their identities are confirmed – e.g. an Alcoholic (-2.03, -1.99, -0.09) will feel Humiliated or Hurt when his stigmatized identity is perfectly confirmed.

Occupational Identity and Emotion

Adults who work full-time spend the majority of their day-time hours within their occupational identity. Through embodying this identity, individuals will strive to enact behaviors within interactions that will maintain the fundamental sentiment of their occupational identity. Further, because Affect Control Theory predicts that individuals feel emotions that are close in meaning to an identity when an identity is confirmed through an interaction, we should expect that individuals in occupational identities report feeling emotions that are similar to the characteristic emotion of their identity. Moreover, the institutional frameworks that structure the types of interactions an individual will have while occupying their occupational identity provide them with interaction sets that, in general, should work to maintain that identity (Ridgeway 2000). For example, pediatricians spend the majority of their occupational hours interacting with children and their parents in a doctor-patient relationship. Most of the interactions will fundamentally be of the type Doctor Helps Patient which maintains the identity of the doctor in that situation. If institutional frameworks did not sustain identity maintaining interactions in this way, we would expect more volatility in the EPA ratings of

identities and behaviors. Alternatively, we would expect evidence of cultural change in the fundamental EPA of those identities and behaviors. Given this, the first hypothesis argues that individuals should be likely to report experiencing emotions that are close in meaning to their occupational identity’s characteristic emotion.

H1: The greater the distance between an individual’s occupational identity’s characteristic emotion and an emotion word, the less likely that individual is to report frequently feeling that emotion.

Because occupational identities on average tend to be fairly good, powerful and somewhat active, there are baseline expectations as to how likely certain emotions are to be experienced by employed individuals in general, regardless of occupational identity. For instance, Ashamed (-2.36, -0.4, -1.73) is bad, not powerful or weak, and inactive. The average distance between Ashamed and characteristic emotions across all occupational identities used in this study is 32, which is quite large. On the other hand, the average distance between a good, powerful, and active emotion such as Excited (2.69, 2.18, 2.24) and occupational identity characteristic emotions is slightly above 4. This means, regardless of individual differences in distance, we expect that on average, individuals should report feeling excited more often than they do ashamed.

H2: The larger the average distance between an emotion and occupational identity characteristic emotions, the less often employed individuals will report feeling that emotion on average.

Resources

However, one important consideration to take into account when evaluating hypothesis one is that individuals hold many identities throughout their daily lives, not just their occupational identity. Furthermore, people do not always get to control the situations they are put into or the actions of their interaction partners, and this can depend on the power they hold. For instance, in some cases, a Police Officer is able to define a situation by labeling another person a Criminal, even when the person who is being apprehended sees themselves as a Citizen or an Innocent Bystander. The officer gets that power both from the institutional resources of the position and the literal force of having weapons. Similarly, the ability of the citizen to resist such a definition may depend on his or her material resources. A Surgeon can probably reassert a Citizen or Bystander identity more easily than a Teenager. Following from this, we would expect that the ability to define situations and have interaction partners who work to maintain one’s definition of the situation is not equal across people, but rather a consequence of the material power one holds in daily life (Heise 2020). This power can be garnered through access to material, cultural and interpersonal resources, such as status, dress,

manner, scripts, level of education, and self-esteem (Miles 2014; Stets and Cast 2016).

Another possibility is that individuals with more material power have occupational identities that are more salient within their entire set of identities and thus more important to their baseline sense of self than those with lesser material resources (Alvesson and Robertson 2006; Miles 2014). Because material resources and types of occupational identity are clearly correlated, this may mean that those who have high status occupations find the maintenance of them more necessary for the maintenance of their overall sense of self, causing them to control their interactions within the occupational identity to a higher degree. And that their interactions outside of their occupation may more closely match those within it, compared with those who have less material power. Both of these processes would lead us to expect that those who have more material and social power will be more effective at shaping situations to ensure that they experience emotions closer to the characteristic meaning of their occupational identity. Therefore, the third hypothesis predicts a statistical interaction between material power and the relationship between occupational identity and emotional experience.

H3: The negative relationship between distance from emotion and frequency of experiencing the emotion will be stronger for those who have more material power.

Diffuse Status Characteristics: Gender, Race, and Age

Social resources may also play a role in impacting the relationship between distance and frequency of emotion. One important type of social resource is the diffuse status characteristics an individual possesses. Similar to how material resources function, diffuse status characteristics – most notably – gender and race, impact interactions by providing a status framework by which they proceed (Ridgeway 2011). Because people automatically categorize others that they interact with in terms of sex, race, and age – these cultural frames organize social interactions to uphold status beliefs that one social category (white individuals, men, and older people) is more competent, affording them both more influence over the interaction (Ridgeway and Kricheli-Katz 2013). In the case of identity maintenance, this suggests that individuals with valued diffuse status characteristics gain interactional resources from these status beliefs, giving them more control over defining the situation in such a way as to confirm their identity.

H4: The negative relationship between distance from emotion and frequency of experiencing the emotion will be stronger for men than for women.

H5: The negative relationship between distance from emotion and frequency of experiencing the emotion

will be stronger for white individuals than non-white individuals.

H6: The negative relationship between distance from emotion and frequency of experiencing the emotion will be stronger the older the respondent.

Data

The data used in this analysis come from the 1996 wave of the General Social Survey (GSS). The GSS is a nationally representative survey that includes a core set of survey items collecting demographic and socioeconomic information, and additional modules on specific topics. In 1996, the GSS fielded a module focusing on emotional experience. This analysis is limited to only individuals who reported working full-time in the prior year to ensure that only respondents for whom a large portion of daily interactions occurred in the occupational identity were included. Additionally, those with missing values on the dependent and control variables were removed from the sample. This resulted in a total of XXXX respondents for the primary analyses.

Variables

Dependent Variables

The 1996 emotions module asked questions about how many days of the past seven days the respondent experienced certain emotions. Of the emotion questions available, 15 are used in this analysis (because EPA ratings were available for them in the ACT sentiment dictionary): angry, anxious, ashamed, calm, contented, excited, fearful, happy, lonely, mad, outraged, overjoyed, proud, restless, sad, and worried. The dependent variable is operationalized as the count, ranging from 0 to 7, which the respondent reported feeling that emotion in the past week. Two questions were double barreled, one asking both about being excited or interested and another feeling anxious and tense. Figure one displays the distribution of responses across the sample.

Clearly, some emotions are less likely to be experienced than others. For example, the highly negative emotions such as ashamed, fearful, and lonely are left skewed, with high numbers of respondents reported feeling them on zero of the last seven days. On the other hand, some of the more positive but less active emotions, such as calm, happy, and contented, are right skewed, with more individuals reporting feeling these emotions daily in comparison to other emotions included in this survey. These distributions were taken into account when specifying the model (see below).

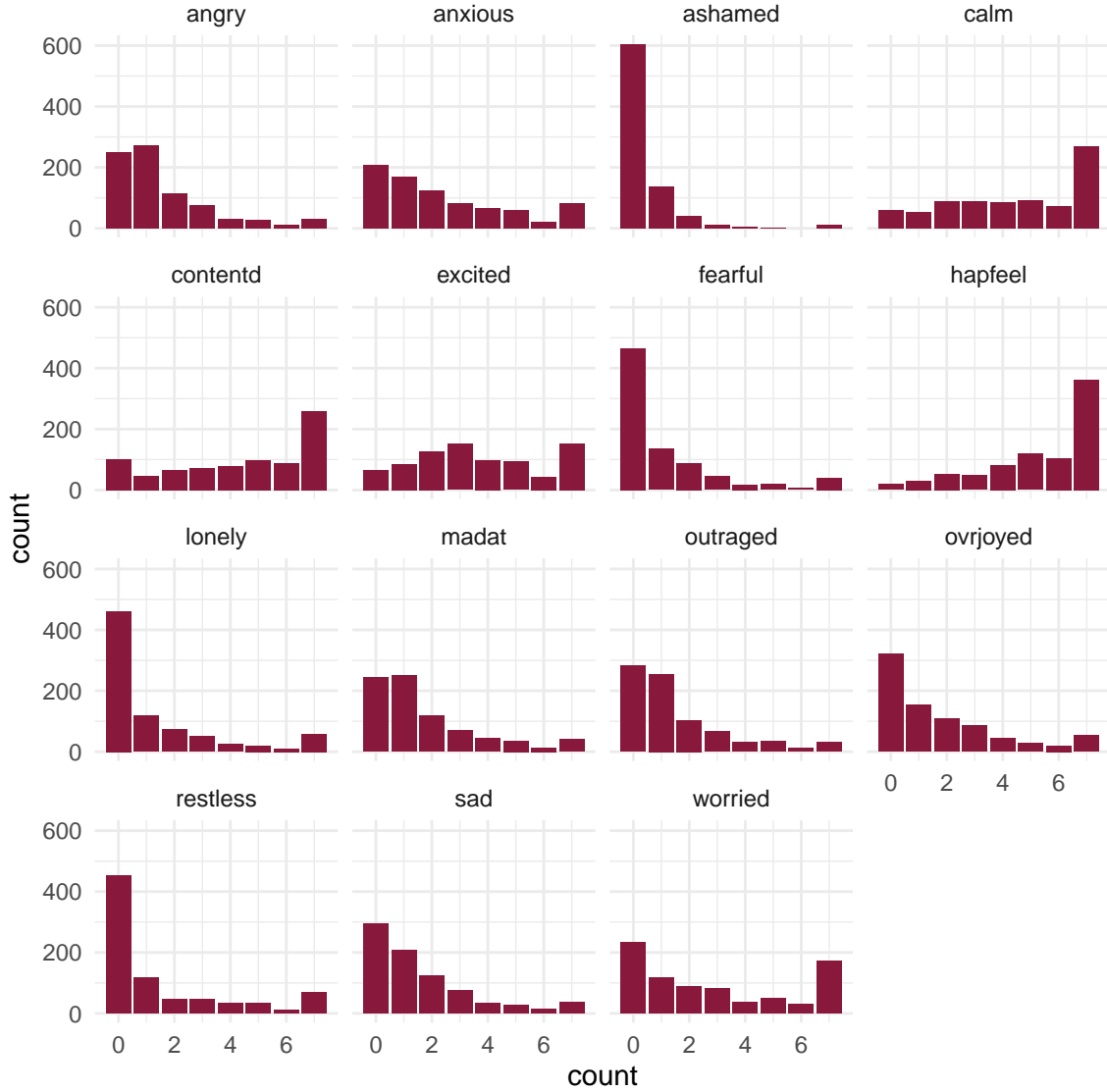


Figure 1: Distributions of Emotion Counts

Independent Variables

The primary independent variable tested in this analysis is the distance between the EPA meaning of the characteristic emotion of each respondent's occupational identity and the meaning of each of the GSS emotions. To calculate this distance, every occupation in the International Standard Classification of Occupations from 1988 (ISCO-88) was assigned a matching occupational identity using a crosswalk, which pairs each occupational code originally in the GSS with an identity from the ACT dictionary used in this analysis (Freeland and Hoey 2018). The crosswalk used in this analysis is based on the same crosswalk used by Freeland and Hoey (2018), with some expansion. The full crosswalk and the rules used to match occupation codes to occupational identities are included in the supplemental appendix to this paper. The crosswalk resulted in a total of 102 unique occupational identities occupied by the X respondents. The characteristic

emotion for each occupational identity was calculated using Interact, an ACT simulation program written by Heise (2007). Finally, the Euclidean distance between the EPA of each occupational identity’s characteristic emotion and the EPA of each GSS emotion was calculated. This distance was then standardized for the analysis, such that the mean is zero and standard deviation one, to help with model convergence.

In Table 1 and the corresponding histogram in Figure 2, contains the mean and standard deviation of the (unstandardized) distances for each emotion. These show that the average distance between occupational characteristic emotion and the emotion words in the GSS vary considerably, from a minimum of 4.63 for excited and a maximum of 43.87 for lonely. Similarly, some emotions show more variability in distance across the occupational identities, with lonely and sad having the most variation in distance amongst occupations (10.24 and 10.132, respectively) and contented and excited having the least variation amongst occupational identities (2.328 and 2.790, respectively).

Table 1: Table 1: Distances from Characteristic Emotion by Emotion DV

Emotion	Mean	Standard Deviation
angry	17.573	3.869
anxious	22.443	7.863
ashamed	31.286	7.759
calm	13.204	3.843
contented	4.757	2.325
excited	4.673	2.932
fearful	30.067	8.553
happy	5.943	4.125
lonely	43.629	10.283
mad	18.909	5.606
outraged	18.535	4.130
overjoyed	6.894	4.192
restless	17.221	6.580
sad	37.674	10.159
worried	27.753	7.971

The second independent variable of interest is a measure of material power, created as a composite variable

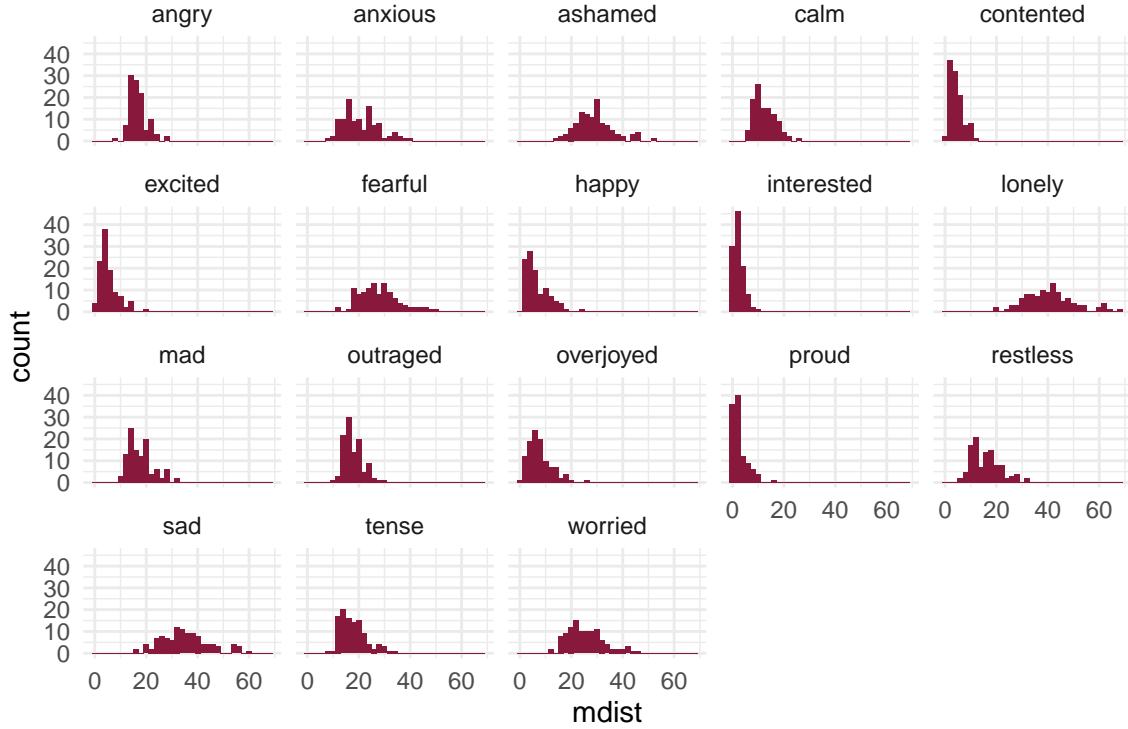


Figure 2: Distance from Characteristic Emotions to GSS Emotions

of each respondent’s income (logged), education level in years, father’s socioeconomic status (standardized), and occupational prestige score using a confirmatory factor analysis (Rosseel 2012). Income corresponds to a respondent’s family income, scaled to be consistent across waves and logged in the following analysis (for how `realinc` was computed: Ligon 1989). Education level is a numeric variable corresponding to the number of years of schooling the respondent had completed. Father’s socioeconomic status is an index computed by the GSS corresponding to the respondent’s father’s socioeconomic position and standardized for this analysis. Finally, the respondent’s occupational prestige score is the score resulting from the GSS’s measure of the “social standing” of their occupation. Table 2 displays descriptive information about these indicator variables.

Table 2: Descriptive Statistics CFA Indicator Variables

	Mean	SD	Minimum	Maximum
Income (log)	0.000	1.000	-1.701	2.278
Father SEI	13.935	2.689	0.000	20.000
Education (years)	10.244	0.782	5.894	11.460
Occupational Prestige Score	44.574	13.767	17.000	86.000

One assumption of a CFA is that the indicator variables are normally distributed. These variables were assessed for their normality and found to be acceptable and under ± 1 ; however, after income was logged, there remains some negative skew and father’s socioeconomic status has a slight positive skew. Skewness scores and histograms of these four variables are in the appendix to this paper.

measure	amount
CFI	0.981
RMSEA	0.078
RMSEA Confidence Interval High	0.109
SRMR	0.020
TLI	0.942

Table 4 displays the factor loadings for the CFA. Column B shows the standardized beta coefficient for these variables, indicating that all four indicator variables contribute positively to the latent variable of material power. Education and occupational prestige have a slightly larger effect on the measure of power, with an increase of one unit in each equivalent to more than 0.7 of a standard deviation increase in material power. Alternatively, a one unit increase in income (logged) and father’s socioeconomic status show an effect of over 0.4 increase in the standard deviation of material power. Predicted composite scores on the underlying material power variable from this model were calculated for each respondent, with scores ranging from -1.08 to 0.926.

Table 4: CFA Factor Loadings

Latent Factor	Indicator	B	SE	Z	p-value	Beta
Material Power	log_Income	1.000	0.000	NA	NA	0.450
Material Power	Dad SEI	1.155	0.112	10.339	0	0.407
Material Power	Education (years)	5.975	0.462	12.940	0	0.782
Material Power	Occupational Prestige	27.804	1.891	14.704	0	0.711

Control Variables Across the models, various demographic and corresponding variables were included as controls: race, sex, and age. These variables are included as controls in the following models because there is reason to believe that they could affect both selection into occupational category as well as the probability of the respondent reporting certain emotions. Race was operationalized as a factor variable with three levels: white, black, and other. Male is a binary variable with a level of one indicating the respondent identified themselves as male and 0 as female, and age is a numeric variable indicating the number of years old the respondent is at the time of the survey.

Descriptive statistics for the independent and control variables are shown in Table 5. The sample is

slightly more male than female, and overwhelmingly white – only 20% of respondents are not white. Age ranges from 18 to 78, with respondents averaging around 40 years old.

Table 5: Table 5: Descriptive Statistics

Characteristic	N = 1652
Age	40 (12), (min: 18, max: 78)
Material Power	0.00 (0.30), (min: -1.08, max: 0.93)
Sex	
Female	755 (46%)
Male	897 (54%)
Race	
White	1324 (80%)
Black	235 (14%)
Other	93 (5.6%)

Analysis For analysis, the data was re-structured into long format such that there were 15 observations per individual, one for each emotion count included in the GSS. The models were estimated by a multilevel Poisson regression with random intercepts for the individual and emotion. Structuring the data in this way creates dependencies between observation but allows for the pooling across all of the emotional response variables into a single analysis, to test the main hypotheses regardless of the specific emotion in question. Including the random intercepts for the individual and the emotion then accounts for the grouped nature of the data and interdependent observations.

Seven total models were estimated to test the hypotheses. First, the reported count of emotions was regressed on the standardized measure of distance in EPA space from the characteristic emotion, to test H1 without controls. Next, model two includes material power as an additional explanatory variable. Model three includes sex, race, and age as additional covariates, to test whether H1 holds when controlling for these possible confounders. To test H2, the correlation between the random intercepts for the 15 emotions of model 1 and the average distance between occupational identity’s characteristic emotion and the emotion is computed.

Model four tests H3 by including an interaction between the measure of material power and the distance from emotion. Model five tests H4 by including an interaction between sex and the distance from emotion. Model six tests H5 by including an interaction between race and the distance from emotion. Lastly, model

seven tests H6 by including an interaction between age and the distance from emotion.

Results Table 6 displays the results from the first four models. Model one shows a statistically significant effect of the distance from characteristic emotion on the expected count of a participant experiencing the GSS emotion. Specifically, with each one standard deviation increase in the distance between an individual's occupational identity's characteristic emotion from a GSS emotion word in EPA space, the expected count is XXX times as great.

The results from model two indicate that this effect remains negative and significant even after material power is added to the model, suggesting that regardless of one's resources, EPA distance from an occupation's characteristic emotion remains an important deterrent from experiencing that emotion. Interestingly, material power on its own has no direct effect on the emotion counts. Further, when all other controls are added in model three, distance from emotion remains both negative and significant, only slightly lower in magnitude than in model one. To provide an illustrative example: when everything else is held constant at its mean, we would expect that an individual whose occupational identity's characteristic emotion is located at the mean distance from the emotion in EPA space (zero on the standardized scale) to report a count of X emotional experiences, while an individual who is one standard deviation away from the mean would report a count of X emotional experiences.

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Figure 3 displays a plot of the random intercepts for each emotion, to display how an emotion's position in EPA space affects its general likelihood of being experienced by full-time employed respondents. Six emotions had positive random intercepts: happy, calm, contented, excited, worried, and anxious, while the other nine emotions: sad, mad, angry, overjoyed, outraged, lonely, restless, fearful, and ashamed have negative intercepts. The correlation between average distance and the intercept in model one is -0.585, supporting the overarching ACT hypothesis that in aggregate, as an emotion is in more extreme EPA space it is less likely to be experienced.

Model four includes the interaction between the distance from emotion and material power. The coefficient for the interaction term is significant and negative. This indicates that the relationship between an individuals' distance from an emotion and the likelihood of experiencing that emotion is dependent on how much material power they hold in a situation. The relationship is stronger when an individual has more material power. We expect that holding everything else constant, an individual will report experiencing an emotion less the further away it is from their occupational identity's characteristic emotion, and that this decrease in expected count will be larger the more material resources they have at their disposal.

Table 6: Table 6: Models 1 through 4

	<i>Dependent variable:</i>			
	Count			
	(1)	(2)	(3)	(4)
Distance from Emotion	−0.047*** (0.015)	−0.046*** (0.015)	−0.045*** (0.015)	−0.012 (0.016)
Material Power		−0.021 (0.040)	−0.011 (0.040)	−0.058 (0.041)
Male			−0.017 (0.025)	−0.016 (0.025)
Black			−0.028 (0.036)	−0.026 (0.036)
Other Race			−0.054 (0.056)	−0.054 (0.056)
Age (standardized)			−0.038*** (0.012)	−0.039*** (0.012)
Distance*Material Power				−0.135*** (0.021)
Constant	0.647*** (0.152)	0.647*** (0.153)	0.663*** (0.153)	0.667*** (0.157)
Observations	11,977	11,977	11,977	11,977
Log Likelihood	−23,886.650	−23,886.510	−23,880.920	−23,860.780
Akaike Inf. Crit.	47,781.300	47,783.030	47,779.830	47,741.550
Bayesian Inf. Crit.	47,810.860	47,819.980	47,846.350	47,815.460

Note:

*p<0.1; **p<0.05; ***p<0.01

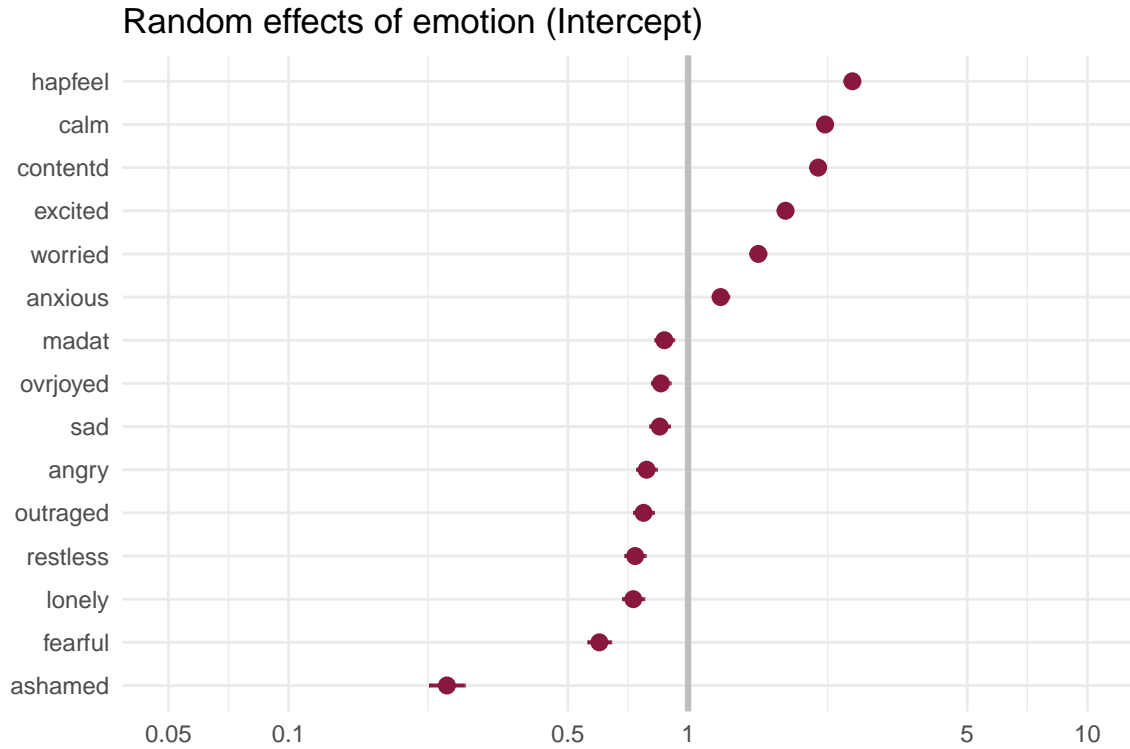


Figure 3: Random Intercepts for Emotions

Figure 4 displays a plot illustrating this relationship. The red line depicts the predicted count of days in the past week experiencing an emotion for an individual with the minimum material power while the black line shows the prediction for someone with the maximum material power, everything else held constant. We see that those with greater material power are able to create emotional experience that meets their characteristic occupational emotion to a greater extent than those with less material power. In fact, for those with almost no material power, the relationship is flipped, with these respondents predicted to experience more emotions that are further away in EPA space than those that are closer to their occupational identity’s characteristic emotion.

Table 7 displays the results from models 5, 6, and 7. Model five includes an interaction term between distance from emotion and being male, to test hypothesis four. Hypothesis 4 is that the negative relationship between distance from emotion and frequency of experiencing the emotion will be stronger for men than for women. The coefficient for the interaction term is indeed negative and statistically significant, supporting this hypothesis. Interestingly, the main effect for distance from emotion is no longer statistically significant when this interaction term is included, suggesting that the distance effect is entirely dependent on the respondent being male. This pattern is displayed in figure 5, in which the red line indicates the predicted count of days a male respondent reports feeling an emotion as the distance from the emotion increases and the black line

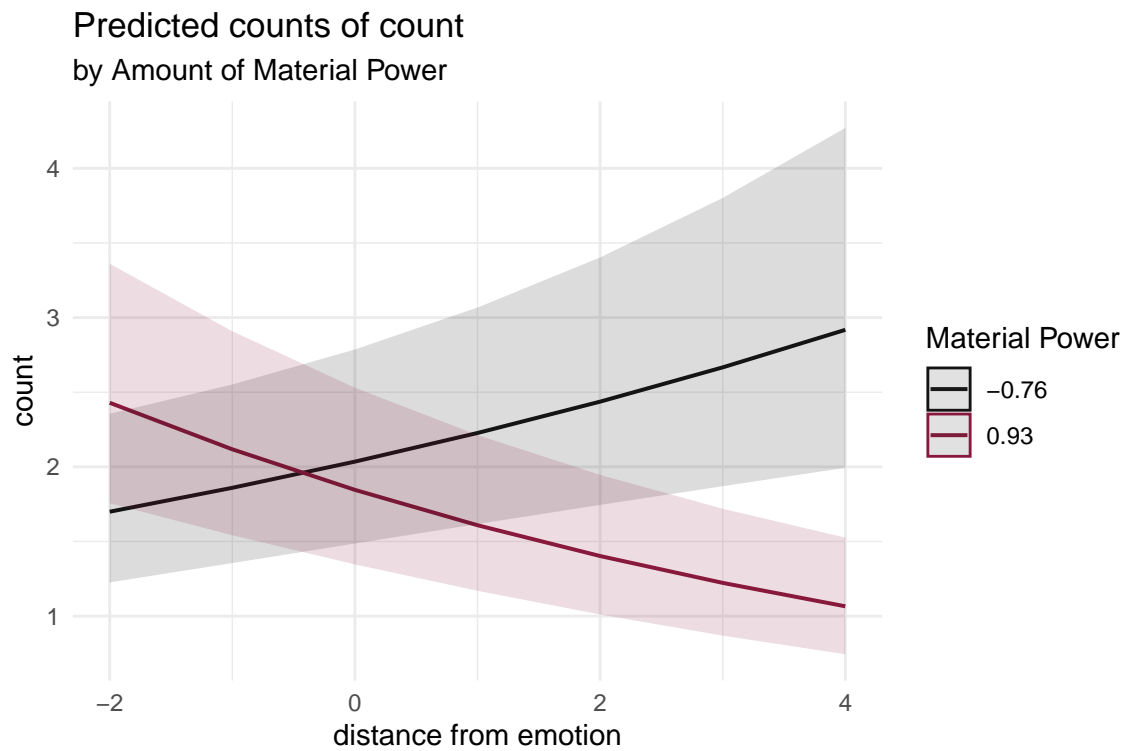


Figure 4: Predicted Emotion Counts

indicates the same for a female respondent, holding everything else constant.

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu % Date and time: Wed, Jul 29, 2020 - 04:54:20

Table 7: Table 7: Models 5 through 7

	<i>Dependent variable:</i>		
	Count		
	(1)	(2)	(3)
Distance from Emotion	0.041** (0.017)	0.043** (0.017)	0.047*** (0.017)
Material Power	-0.059 (0.041)	-0.060 (0.041)	-0.056 (0.041)
Male	-0.056** (0.025)	-0.056** (0.025)	-0.053** (0.025)
Black	-0.026 (0.035)	-0.029 (0.036)	-0.028 (0.036)
Other Race	-0.055 (0.056)	-0.078 (0.058)	-0.054 (0.056)
Age (standardized)	-0.039*** (0.012)	-0.039*** (0.012)	-0.059*** (0.012)
Distance*Material Power	-0.140*** (0.021)	-0.142*** (0.021)	-0.123*** (0.021)
Distance*Male	-0.116*** (0.013)	-0.116*** (0.013)	-0.109*** (0.013)
Distance*Black		-0.008 (0.020)	
Distance*Other Race		-0.053 (0.035)	
Distance*Age			-0.058*** (0.007)
Constant	0.686*** (0.156)	0.687*** (0.156)	0.684*** (0.157)
Observations	11,977	11,977	11,977
Log Likelihood	-23,821.760	-23,820.530	-23,783.900
Akaike Inf. Crit.	47,665.520	47,667.070	47,591.790
Bayesian Inf. Crit.	47,746.820	47,763.150	47,680.480

Note:

*p<0.1; **p<0.05; ***p<0.01

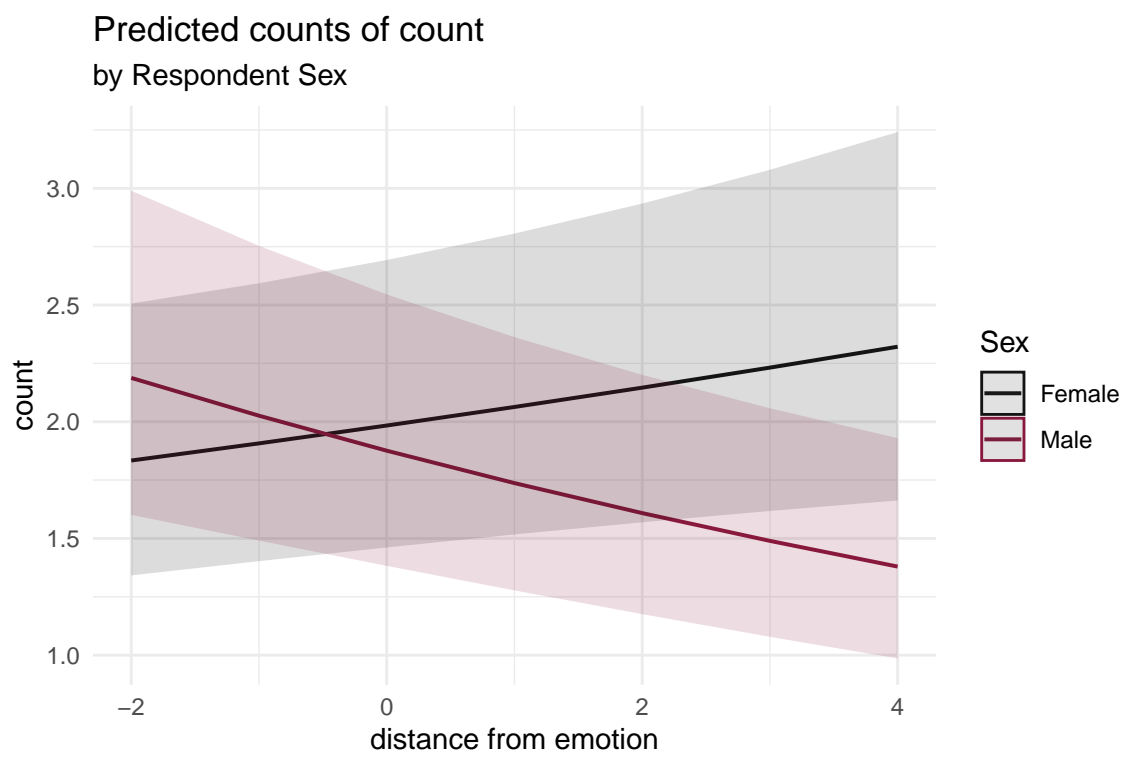


Figure 5: Predicted Emotion Counts