# Working Conditions and Job Satisfaction of China's New Generation of Migrants - Evidence from an Inland City

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#### Abstract

China is experiencing notable changes in rural-urban migration. Young, more educated migrants with different attitudes towards living and working form an increasing share of the migrant labour force. At the same time, the destinations of migrants are changing as a result of government policies and the global financial crisis. More migrants than before find jobs in medium and small size cities, often located in western and central China. Understanding the characteristics and attitudes of the changing migrant labour force has become a major challenge in sustainably managing migration flows and urbanization. Little hard evidence is available on the working conditions and job attitudes of migrant workers, particularly for inland China. The purpose of this paper is to provide insights into the characteristics, working conditions and job attitudes of the new generation of migrants, defined as those born in the 1980s and 1990s, as compared to the traditional generation in a typical mediumsize city in western China. Data collected through a household survey conducted among 1,048 migrants in Guiyang, the capital of Guizhou province, are used for this purpose. We find significant differences in occupational characteristics and working conditions between the two generations. Contrary to popular beliefs, we find that the level of job satisfaction is higher among the new generation of migrants. Using an ordered logit model to explain job satisfaction, we find that age and gender do not have a significant impact for young migrants, while working conditions play a major role. Among these, it is not so much the income level that matters for young migrants, but other working conditions. Using a Blinder-Oaxaca decomposition, we derive that it is mainly the difference in working conditions and other endowments that explains the higher job satisfaction of young migrants, not the differences between generations in the valuations of these endowments.

Keywords: Migrants; New generation; Working conditions; Job satisfaction; China

#### 1. Introduction

China has experienced massive migration of people from rural to urban areas since the start of the economic reforms and opening up at the end of 1970s. According to official statistics, the size of the migrant population equalled 253 million in 2011 (i.e. 18.8 percent of the total population), with 159 million migrants working outside and 94 million migrants working inside their own provinces for more than six months per year (NBSC, 2012). This immense flood of internal migrants has played and continues to play a key role in China's economic "miracle".

Two recent phenomena are vitally changing the characteristics of China's rural-urban migration. In the first place, a new generation of migrants born in the 1980s and 1990s is emerging that is more urbanized, more aware of their own rights, less obedient, and prefers to settle down in cities instead of returning to the rural areas. The term "new generation of migrant workers" was officially introduced by the Chinese government in its so-called No.1 Document of 2010, the major policy document released at the beginning of each year to address government priorities. To deal with the challenges posed by this new generation, the document points out that the government will take new measures to integrate more farmers into urban life, like easing restrictions on permanent residence permits, urban housing programmes, and including migrants in the basic medical insurance and pension program in cities (Cao and Lin, 2010).

Secondly, the direction of the migration flows is changing in recent years. In the 1980s and 1990s, rural migrants were an important force in the rapid economic development of the coastal provinces in southern and eastern China. But with government policy priorities shifting towards the development of central and western China, particularly through the "Western Development" or "Go West" policy that started in 2000 (see e.g. Yeung and Shen, 2004), more off-farm employment opportunities have become available in inland provinces since the turn of the century. This changing trend in migrant destinations was further strengthened by the global financial crisis of 2008, which considerably reduced employment in the export-oriented coastal provinces, and by the macroeconomic stimulus package adopted by the Chinese government in response to the global crisis. The stimulus package created new employment opportunities for laid-off migrants in the domestic-oriented construction and services sector (Cai et al., 2010; Hsu et al., 2010; Huang et al., 2011). The Spring Wind Action Program launched in 2008 by the Ministry of Human Resources and Social Security (MHRSS) further stimulated rural migrants to seek work in their home provinces by providing financial and logistical support, and encouraged provincial governments to provide retraining to improve rural migrants' skill (MHRSS 2008). Another policy contributing to the shift in migrant destinations is the recent change in focus of China's urbanization policy. To avoid that congestion, pollution, security and other typical problems of mega-size (mainly coastal) cities like Beijing, Tianjin, Shanghai, Shenzhen and Guangzhou become unmanageable, the transfer of a significant share of rural-urban migrants into small and medium-sized cities and towns (usually located closer to their hometowns) is considered one of the major projects for the country's urbanization in the near future (e.g. Cao and Lin, 2010).

Maintaining a sustainable migration and urbanisation process requires recognizing the increasing role played by the new generation of migrants in coastal and inland urban economies, and developing

policies that are based on a thorough understanding of their characteristics, working conditions and job attitudes. To our knowledge a rather limited body of literature is available in this respect. Several studies report that the education level of the new generation rural migrants is higher than that of their predecessors (e.g. ACFTU, 2011; NPFPC, 2011; Liu, 2010; Wang, 2010). Although the better education background allows the new generation of migrants workers to enter into broader and more ambitious careers, they still mainly work in construction, catering, security and housekeeping (NPFPC, 2011). They no longer take the relative low earnings and long working hours, as compared to the urban peers, and the lack of social security for granted. Struggling with the segmentation, inequality and discrimination in the urban labour market, the new generation migrant workers has started to assert themselves in various ways which sometimes aroused much public concern (Pun and Lu, 2010; Wong, 2010).

The present study aims to add to this literature by carrying out a rigid empirical analysis of the differences in working conditions and job attitudes between the new and traditional generation of migrants in an inland city. Special attention will be paid to differences in job satisfaction between the two generations, and the factors driving these differences, as job satisfaction is both an important indicator of workers' wellbeing and a major contributing factor to job performance. More specifically, four research questions will be addressed in this study.

First, what are the major socio-economic and occupational characteristics of the new generation of migrant workers in a median size city in inland China, and to what extent do these differ from those of the traditional generation?

Second, what are the differences in working conditions and job attitudes between the new generation and traditional generation of migrants in that city?

Third, what factors explain the observed differences in job satisfaction between the two generations of migrants?

Fourth, to what extent are the observed differences in job satisfaction between the two generations caused by differences in their endowments or by differences in their subjective valuations of factors that contribute to job satisfaction?

To answer these questions, we use migrant survey data collected in August 2011 in Guiyang City, the capital of Guizhou Province. The survey was sponsored by the local government of Guiyang City and was carried out by undergraduate and graduate students of Guizhou University under the supervision of the first author.

Guizhou Province, located in southwest China, has a population of around 35 million and is one of the poorest provinces in China. By the end of 2010, more than 23 million inhabitants lived in the rural area and were to a large extent dependent on the relatively low-productive agricultural sector (Statistical Bureau of Guizhou, 2011). Rural-urban migration is especially important for this less developed region, as it can boost farm household' incomes and alleviate poverty (Wei, 2007; Fan and Wang, 2008). Stimulating and sustaining rural-urban migration has become a major challenge for the local government given the underdeveloped industrial sector in the province and the low educational level of the rural population. Guiyang City was selected in 2010 by the central government as one of the 49 pilot cities for innovating services and management systems for the floating population and

promoting equalization of basic public services in the cities (NPFPC of China, 2010). Guiyang is a typical medium-size city with an urban population of 3.0 million. It absorbed more than 1.1 million rural migrants in 2011, mainly from within the own province, accounting for 47 percent of the total migrant population in Guizhou (PFPC, 2011). It plans to absorb more migrants in its "12th Five-year Economic and Social Development Plan", running from 2010 to 2015 (Guiyang Municipal Government, 2011). The local government is implementing a number of policies to attract and support rural migrants, such as providing training and employment services and providing IC cards to facilitate the use of public services by migrant workers (NPFPC, 2010; PFPC, 2011). A better understanding of (changes in) the characteristics of migrants is considered to be a crucial issue in managing the process of urbanization and economic development (NPFPC, 2011). The results obtained from this research will provide an important input in that respect.

To answer the first and second research question, the statistical significance of differences in sample means for the two sub-sets of migrants will be tested through t-tests. An ordered logit regression model will be estimated for the whole sample and for each of the two generations of migrants to examine the factors explaining job satisfaction of the different generations (third research question). The regression results will be used in a Blinder-Oaxaca decomposition to investigate the relative contributions to job satisfaction of endowments and subjective valuations by each generation of the factors that contribute to job satisfaction (fourth research question).

The paper is organized as follows. Section 2 reviews the available literature on job satisfaction and on differences between the new and old generation of migrants in China. Section 3 examines the differences between the two generations in socio-economic and occupational characteristics and in job attitudes for migrants interviewed in the survey. Section 4 presents the results of the ordered logit regression model and the Blinder-Oaxaca decomposition of factors explaining job satisfaction. Finally, in section 5, the main conclusions are summarized and their implications for policy making are discussed.

#### 2. Literature review

Job satisfaction is one of the important attitudes influencing working behaviour. Katz defines attitudes as the predisposition of an individual to evaluate a particular object in a favourable or unfavourable manner (Katz, 1960). Job attitudes are the multidimensional psychological responses to one's job. Three major elements can be distinguished: satisfaction, commitment and engagement (Cascio and Boudreau, 2008).

Locke (1976) defines job satisfaction as a pleasurable or positive emotional state resulting from the appraisal of one's job, job achievement or job experiences. The concept of job satisfaction can be used to get more insights into the state of aggregate well-being generated by a job, which cannot be fully represented by income (Bender *et al.*, 2005). Studies on job satisfaction have provided strong evidence that people work for purposes other than payment alone. Working is not only for earning money, but also for seeking happiness and self-realization.

Available sociological and economic research on job satisfaction focuses on its determinants and effects. One of the first studies in this field, by Gurin *et al.* (1960), examines the relationship between occupational status and job satisfaction. It finds that job satisfaction is related to success in climbing the occupational hierarchy. Job satisfaction is highly correlated with demographic characteristics. It has been found that relatively young and relatively old workers, as well as women, have higher job satisfaction (Clark *et al.*, 1998; Bender *et al.*, 2005). On the effects of job satisfaction, Clark *et al.* (1998) find that workers who report low job satisfaction have higher absenteeism and are more likely to quit their jobs. In some industries, job satisfaction correlates positively with customer satisfaction and with firm's performance (Rogers *et al.*, 1994; Freeman *et al.*, 2008).

Job satisfaction and, more generally, job attitudes and working conditions of migrant workers have not been an issue of academic concern until recent years in China. Li (2008) examines the unfavourable working conditions of many rural migrant workers in the Chinese labour market, in particular the low wages, the problems of wage arrears, the lack of written contracts, the long working hours, the short weekly rest periods, the low social security coverage, the poor housing conditions, and the difficulties they face in accessing public services. Li and Li (2007) analyse the economic status and social attitudes of migrant workers in China using data from of a large-scale survey carried out in 2006. Their study finds that the economic and social status of migrants is negatively related to their attitudes to society, and that the determinants of migrant workers' attitudes and behaviour are historic rather than economic. Qian and Zhang (2009) examine the relation between work and family life and its impact on job satisfaction of rural migrants in three cities in coastal Zhejiang Province. They find that migrants' feelings are significantly affected by the quality of the relationship between work and family life. Good relationships have a significant positive effect on the job satisfaction of rural migrants.

Although there is a growing number of studies on China's new generation of migrants, defined as those migrants who are born in the 1980s and 19990s, their focus is mainly on their characteristics, aspirations and social integration. To our knowledge no studies have examined differences in working conditions, job satisfaction and other job attitudes between the new generation and the old generation. Moreover, the focus of most studies is on coastal provinces, thereby neglecting the major change in migration directions that can be observed in recent years. Wang (2003) studies the characteristics and social identity of the new generation of migrants in China in a survey held among migrants in three cities in coastal Zhejiang Province. He finds that migrants belonging to the new generation are younger, better educated, have little or no farming experiences, and are more aware of their identity and status in the city. Yue et al. (2009) conclude from data collected among migrants in Shenzhen that, while previous generations tended to live transiently in cities for the main purpose of earning money, new-generations migrants intend to accumulate human and social capital in order to settle permanently in a city. Using data from the "Chinese General Social Survey" carried out by the Institute of Sociology, Chinese Academy of Social Sciences, Li and Tian (2011) find that changes in life pressure and enhanced awareness of individual rights have significantly changed the social attitudes and behavioral choices of the new generation. Liu et al. (2012) examine the differences in social networks between the two generations in a case study of Guangzhou. Their study finds significant differences, with new-generation migrants more likely to draw on cross-class, non-kin, and nonterritorial networks when seeking social support, and to construct colleagues networks and friendship ties that transcend the boundaries of the receiving neighborhoods.

#### 3. Characteristics, working conditions and job attitudes of migrants

The data that we use for our analysis are collected through a migrant survey organized by Guizhou University in Guiyang City in August 2011. The survey was sponsored by the Population and Family Planning Commission (PFPC), People's Government of Guiyang Municipality. We randomly selected 1,048 rural migrant workers from PFPC's list of registered migrants. The survey data provide information on demographic characteristics, socio-economic background, living conditions, working conditions, social insurance, job attitudes, expectations, and related variables. It is supplemented in our analysis with some data that we collected from secondary sources.

According to statistical data of MHRSS of Guizhou and calculations by Liu and Zhou (2011), the new generation of migrant workers in Guizhou consists of more than 0.8 million persons. The total migrant population in Guizhou province equalled around 2.3 million persons in 2011 (PFPC, 2011). Hence, the share of new generation migrants in the total migrant population in Guizhou is around 35 percent. It is considerably lower than available estimates for China as a whole, which are in the order of 58 - 60 percent (NBSC, 2011a; Cao and Lin, 2010).

We define new generation migrants in our survey data as migrants who were born after 1980. This is consistent with earlier studies and policy papers on the issue. Moreover, children born since 1980 are all born under China's one-child policy. The generation born under this policy is often believed to be over-indulged and to have poorer social communication and cooperation skills than the older generation, but hard evidence is difficult to find. Out of the 1,048 interviewed migrants, 399 were born after 1980, i.e. 38 percent.

# [Table 1]

Table 1 presents the basic characteristics of the interviewed migrants, and compares these characteristics between the traditional and new generation. The share of Han in the migrant population equals 77 percent, which slightly exceeds its 70 percent share in the total population of Guizhou (source: NBSC, 2011b). The share of females in the migrant population is close to 50 percent, while migrants with a rural *hukou* (residence permit) equal 87 percent of the interviewed migrants. We find no significant differences between the two generations in these indicators. The share of migrants coming from the own province, however, is significantly higher (80 percent) for the new generation as compared to the older one (72 percent). As expected, the new generation is younger, more likely to be single, and less likely to have minor children. The average number of family members, however, is slightly higher for the new generation. The data further confirm findings from other studies (e.g. ACFTU, 2011; NPFPC, 2011; Liu, 2010; Wang, 2010) that the new generation is better educated. While 31% of the new migrants have high school education or higher, this is only 15% among the traditional generation.. Not surprisingly, the average duration of the stay in Guiyang is much longer for

the traditional generation. Almost twice as many migrants from the traditional generation have stayed longer than 5 years (62%, versus 33% for the new generation). Finally, more traditional generation migrants stay in rented houses than migrants from the new generation. This is understandable, because our survey results also show that 31% of the traditional generation know the low-rent policy in Guiyang City, as compared to 25% of the new generation. Through their longer stay in Guiyang they are more aware of government policies which aim to solve housing problems of the poor.

## [Table 2]

Now we turn to the occupational characteristics of migrants (Table 2). We first look at the categories of jobs they do. Job categories are defined according to the classification used by the Ministry of Human Resources and Social Security. The three most common job categories among migrant workers in Guiyang City are unit chiefs and managers, which includes owners of family run businesses (20%), business and service personnel (30%) and production and transportation workers (32%). In contrast to NPFPC (2011) we do find some significant differences between the new generation and the traditional generation. New generation migrants are more likely to work as business and service personnel (40% as compared to 23%), while migrants from the traditional generation are more likely to be unit chiefs or managers (22% as compared to 18%) and to belong to the category 'other (including those who do not have a fixed job)' (18% as compared to 10%).

Table 2 also shows that as much as 44 percent of the interviewed migrants are self-employed or work in family businesses. Most wage earners are employed by private businesses. Only 9 percent of the migrants works in a state-owned or collectively owned enterprises. Again we do find some significant differences between the two generations. Migrants born in the 1980s and 1990s are more frequently employed by private enterprises, and less likely to be self-employed or find work in state-owned or collective enterprises, as compared to migrants born in the 1970s or before. They also make more use of official labour channels for finding an urban job.

## [Table 3]

The working conditions of the interviewed migrants in Guiyang City are shown in Table 3. The reported average monthly income of migrants equals 2,485 RMB<sup>1</sup> Despite the differences in education and in job categories between the two generations, there is not much difference in their average income levels. Also in terms of working hours per day, having a signed contract or not, receiving payments for extra work, and having experienced wage defaults or work disputes, the two groups do not differ significantly from each other. However, the results do show that the new generation has more insurances at work, receives significantly more on-the-job training, conducts less dangerous or toxic work, and receives more regular health checks than the traditional generation.

## [Table 4]

<sup>&</sup>lt;sup>1</sup> The official exchange rate in August, 2011 was 6.4 RMB = 1 USD.

Table 4 compares the incomes of the two generations of migrants per job category. It shows that the average income is slightly higher for the younger generation in each job category, but none of the differences is statistically significant (except for professional and teaching personnel, for which we have only 8 observations). Hence, the higher education of the new generation of migrants does not result in higher earnings for similar jobs. The much longer experience of the traditional generation probably makes up for their lower level of education.

The analyses so far shows some significant differences in education, occupational characteristics and working conditions between the two generations. Do these differences translate into differences in job attitudes, as suggested in the media and in some policy documents? We use our survey data to explore this question in more detail by focusing on four aspects: (1) job satisfaction (measured on a scale from 1 = very dissatisfied to 5 = very satisfied); (2) inclination to change jobs; (3) rights pursuing (reliance on government and law to pursue rights when there is a dispute at work); and (4) study in spare time.

#### [Table 5]

Table 5 shows the summary statistics of these four job attitude variables. A first noteworthy finding is that the level of job satisfaction is significantly higher among the new generation of migrants. This contradicts public opinions that the new generation is more demanding and has higher requirements for living and working conditions, and is therefore less satisfied at work. They do, however, care more about their own rights at work. And they also show a different way in dealing with disputes at work. The new generation is less likely to give up their rights when there is a dispute. When they pursue their rights, they are much more likely to rely on law and government (47%), while the traditional generation relies more on help from relatives and friends (62%). Despite the higher job satisfaction of young migrants, they seem to be more ambitious. We find in our survey that a larger share of young migrants is prone to change their jobs and studies in their spare time as compared to the old generation of migrants.

# 4. Factors explaining job satisfaction

The above bivariate analyses show that the traditional and the new generations differ significantly in their job satisfaction. In this section, we will examine which factors explain the differences in job satisfaction that we observe between the two generations. To this end, we estimate the following equation:

$$JS_i = c + \propto DC_i + \beta FC_i + \gamma ED_i + \delta OC_i + \theta WC_i + \varepsilon_i \qquad \text{for i = 1, ..., 1048}$$

# [Table 6]

We ran the regressions for the whole sample of migrants, and for new and old generation migrants separately to examine whether the factors influencing job satisfaction differ between the two generations. The results are shown Table 6. We will first discuss the results for the whole sample, and then compare the differences between the two generations.

One important finding, where our result deviates from that of earlier research (Clark *et al.*, 1998; Bender *et al.*, 2005), is that age and gender do not matter for job satisfaction. Hence, although the new generation of migrants has a higher job satisfaction than the traditional one, it is not the much younger age that seems to explain this finding. Instead, we find that working conditions play an important role in explaining job satisfaction. Having a higher income, working fewer hours, having a signed contract, receiving on-the-job-training, doing no harmful or toxic work, having regular health checks and absence of wage defaults all have a strongly significant positive impact on the job satisfaction of migrants in Guiyang City. Other important factors that we find in our analysis are working as a unit chief, manager, professional, technician, clerk or in related jobs (categories 1-3), having fewer young children and (at a 10% significance level) having a rural residence permit and a high level of education.

To what extent do these explanatory factors differ between the two generations of migrants? Because the new generation was born under the one-child policy, has a significantly higher level of education, and is assumed to be more aware of their own rights and less obedient, it may be expected that they derive their job satisfaction from other factors than the traditional generation. The regression results for each of the two generations separately and the results of formal test for the equality of the estimated coefficients for the two generations are shown in the last two columns of Table 6.

Some interesting results show up, especially for working conditions. We find that, contrary to the traditional generation, the level of income is not significant related to the degree of job satisfaction of the new generation. Instead, having a formal contract and doing no dangerous or toxic work are

important factors in the degree of job satisfaction of young migrants, but not that of the older generation. Estimated coefficients for the non-income working conditions are all higher for the young generation, except for on-the-job training, which is significantly related to job satisfaction of the older generation but not the younger generation.

We also find that young migrants derive job satisfaction from different types of jobs than older migrants do. Young migrants working as business and service personnel or as production, transport equipment operators and related workers (categories 4 and 5) have significantly higher job satisfaction than those working in the other job categories. Working in the other three job categories is related to higher job satisfaction, as compared to the 'other (incl. no fixed job)' base case, for both generations, but the estimated coefficient is larger for younger migrants. We find some limited evidence that the way in which migrants obtain their jobs may matter for job satisfaction. Young migrants who get a job through the formal labour market have a lower job satisfaction (at a 10 percent significance level) than those who are introduced to a job by family or friends (or are self-employed). As regards to employment type, our results suggest that older migrants obtain positive job satisfaction from being self-employed or working in a family run business, whereas it has a negative impact on the job satisfaction of younger migrants. This may explain why fewer young migrants than older migrants are self-employed or work in family run businesses (see Table 2).

Although the age of a migrant does not significantly affect job satisfaction for the whole sample, we do find that age plays a role in the job satisfaction of older migrants. The estimated coefficients for age and age squared in the equation for the traditional generation indicates the presence of an inverted U-shaped curve, as has been found in the international literature. The turning point in our sample is at an age of 48. We further find that presence of young children in the home village affects especially the job satisfaction of young migrants in a negative way. A final noteworthy finding is that young Han migrants have higher job satisfaction than young migrants coming from other ethnic groups. Whether this is caused by discrimination on the work floor or by other factors, is an issue that deserves more research.

Thus far we have found that young migrants have higher job satisfaction than older migrants, that the factors which affect the job satisfaction of each generation are different, and that the two generations possess different quantities ('endowments') of some of these factors. This brings us to the question to what extent the higher job satisfaction of the new generation is caused by differences in their valuation of the factors that contribute to job satisfaction or by differences in their endowments of these factors. We will use a Blinder-Oaxaca decomposition to answer this question. The method that we use is as follows (see e.g. Jann, 2008). Assume there are two groups A (= new generation) and B (= traditional generation), and that the outcome Y (= job satisfaction) is predicted by the following equation:

$$Y_l = X_l' \beta_l + \varepsilon_l$$
,  $E(\varepsilon_l) = 0$ ,  $l \in \{A, B\}$ .

Then the predicted difference between group A and B can be decomposed into three parts:

the differential caused by group differences in the regressors (the 'endowment effect'):  $(E(X_A) - E(X_B))'\beta_B$ ,

- the differential caused by differences in the estimated coefficients:  $E(X_B)'(\beta_A \beta_B)$ , and
- an interaction term accounting for the fact that differences in endowments and coefficients exist simultaneously between the two groups:  $(E(X_A) E(X_B))'(\beta_A \beta_B)$ .

We only include the regressors which are significant in at least one of the three regressions (i.e. whole sample and two subsamples) reported in Table 6 when conducting the decomposition<sup>2</sup>.

## [Table 7]

Table 7 shows the results of the decomposition analysis, with endowments, coefficients and interaction terms aggregated according to the groups of variables distinguished in equation (1). We find that only the first decomposition term, the endowments effect, has a significant impact. It explains 87.7% of the predicted difference in job satisfaction between the two generations. Among the endowments, especially the differences in working conditions contribute to the higher job satisfaction of the new generation of migrants (67.8%). Differences in family characteristics are another factor that contributes positively (22.8%), while differences in occupational categories between the two generations even contributes negatively to the job satisfaction differential (-9.3%). Differences in demographic characteristics (such as ethnic group or rural residence permit) and in education level, on the other hand, do not significantly affect the difference in job satisfaction between the two groups.

#### 5. Conclusion

China is experiencing notable changes in rural-urban migration. Young, more educated migrants are increasingly playing a major role in both urbanization and economic development. Their attitudes towards working and living in the cities are different from those of the older generation. The destinations of migrants are also changing as a result of government policies and the global financial crisis. More migrants than before find jobs in medium and small size cities, which are often located in western and central China instead of the coastal region. In this paper we aim to contribute to the design of sustainable migration and urbanisation policies that recognize these new developments by providing insights into the characteristics, working conditions, job satisfaction and other job attitudes of the new generation of migrants, defined as those born in the 1980s and 1990s, as compared the traditional generation in a typical western region. To this end, we use survey data collected in August 2011 among 1,048 rural migrants in Guiyang City, Guizhou Province, to examine four research questions.

Firstly, we examine the extent to which socio-economic and occupational characteristics differ between the two generations of migrants and find a number a significant differences. Our data confirm findings from previous studies that the new generation is better educated. We further find important shifts in occupational characteristics between the two generations. New generation migrants are more

<sup>&</sup>lt;sup>2</sup> We use linear regressions instead of ordered logit regressions when conducting the decomposition for job satisfaction. Results can be obtained from the authors upon request. We do not include age, because age is used for dividing the sample into two groups.

likely to work as business and service personnel and are more frequently employed by private enterprises, while migrants from the traditional generation are more likely to be unit chiefs or managers, and to be self-employed or work in state-owned or collective enterprises.

Secondly, we use our survey data to examine differences in working conditions and job attitudes between the new generation and traditional generation of migrants. Despite the differences in education and in job categories between the two generations, we find that there is not much difference in their average income levels. This finding also holds when we take the types of jobs where the two generations are employed into account. We do find, however, that the new generation of migrants has more insurance at work, receives significantly more on-the-job training, conducts less dangerous or toxic work, and receives more regular health checks than the traditional generation. Job attitudes also differ significantly between the two generations. In contrast to public beliefs, we find that the level of job satisfaction is significantly higher among the new generation of migrants. Young migrants are also less likely to give up their rights when there is a dispute at work, and more likely to rely on law and government instead of relatives and friends in solving disputes. They are more ambitious than the old generation of migrants, as they are more inclined to change job and to study in their spare time.

Thirdly, we examine the factors that can explain the higher degree of job satisfaction among the new generation of migrants. Contrary to previous findings in the international literature, we find that age and gender do not matter for job satisfaction of the young generation. Instead, working conditions play an important role. Among these, it is not so much the income level that matters for young migrants, but other working conditions. Having a formal contract and doing no dangerous or toxic work are important factors that provide job satisfaction to young migrants, but not to older migrants. In addition, young migrants derive job satisfaction from different types of jobs than older migrants do. Young migrants working as business and service personnel or as production, transport equipment operators and related workers have significantly higher job satisfaction than those working in the other job categories.

Using these results, we finally examine to what extent the observed differences in job satisfaction between the two generations is caused by differences in endowments or by differences in the subjective valuations of factors that contribute to job satisfaction. Using a Blinder-Oaxaca decomposition, we conclude that it is mainly the difference in endowments that explains the higher job satisfaction of young migrants. Among the endowments, especially the differences in working conditions contribute to the higher job satisfaction of the new generation of migrants. Differences in family characteristics are another factor that contributes positively, while differences in occupational categories between the two generations contributes negatively to the job satisfaction differential.

The findings of our study have important implications for policy making as well as private enterprise management. They show that young migrants are not as dissatisfied with their jobs as is often believed. There remains scope, however, for further improving the job satisfaction of both older and younger migrants. Our findings suggest that the importance of income for job satisfaction is declining, but that other working conditions are becoming more and more important. These include not only the number of working hours, having insurances, receiving on-the-job-training and no wage defaults, but especially for the new generation also healthy work conditions and having a signed contract.

Improving such working conditions is expected to contribute both to the welfare of rural migrants and to the productivity of the enterprises in which they are employed.

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Table 1. Basic characteristics of the new generation (NG) and traditional generation (TG) of migrants

			Mean (St	andard Dev	iation)	t-test
Demographic factors		Obs.	Whole			1 1031
			sample	TG	NG	
Number of observa	ations		1048	649	399	
Ethnicity (Han)		1048	0.77	0.77	0.77	-0.15
Gender (Male)		1048	0.51	0.52	0.48	-1.42
			(0.50)	(0.50)	(0.50)	
Hukou (Rural resid	lent =1)	1048	0.87 (0.33)	0.89 (0.32)	0.85 (0.35)	-1.48
	. (1)		0.75	0.72	0.80	***
Intra-province migr	ant (Native)	1048	(0.43)	(0.45)	(0.40)	3.00***
Λ στο		1048	35	41	25	-42.6**
Age		1046	(10.05)	(6.99)	(4.18)	-42.0
Marital status ( Sin	alo)	1048	0.17	0.03	0.39	16.98***
Maritai Status ( Sili	gie)	1040	(0.37)	(0.18)	(0.49)	10.90
Family members		1048	`4.47 <sup>′</sup>	4.38	`4.60 <sup>′</sup>	2.42**
Tarring mornibors		1040	(1.47)	(1.42)	(1.54)	2.72
Minor child in famil	V	1047	0.59	0.69	0.41	-9.35***
William Standard	,		(0.49)	(0.46)	(0.49)	
Education	illiterate	1048	0.10	0.14	0.03	-6.19***
			(0.30)	(0.35)	(0.16)	
	primary school	1048	0.27	0.33	0.17	-5.53 <sup>***</sup>
	, ,		(0.44)	(0.47)	(0.38)	
	secondary school	1048	0.42	0.38	0.49	3.46***
			(0.49)	(0.49)	(0.50)	***
	high school	1048	0.15	0.12	0.21	4.01
			0.36) 0.06	(0.32) 0.03	(0.41)	***
	college or above	1048	(0.23)	(0.17)	0.10 (0.30)	4.89***
D .:	AL	4040	0.11	0.06	0.18	F 00***
Duration of stay	About 0.5 year	1048	(0.31)	(0.24)	(0.38)	5.93***
	Longer than Even	1040	0.51	0.62	0.33	-9.73***
	Longer than 5 year	1048	(0.50)	(0.49)	(0.47)	- <del>9</del> .13
Living condition F	ree shed or quarters	1043	0.13	0.11	0.16	2.21**
LIVING CONDITION F	iee sileu oi quaiteis	1043	(0.34)	(0.31)	(0.37)	۷.۷۱
	Rented house	1043	0.81	0.83	0.78	-1.95 <sup>**</sup>
	rtontou nouse	10-10	(0.39)	(0.38)	(0.42)	1.55
	Own house	1043	0.06	0.06	0.06	0.11
			(0.24)	(0.23)	(0.24)	

Notes: Standard deviations are in parentheses. The null hypothesis of the t- test is that the means of the variable in the two generations are equal.

<sup>\*\*\*</sup> significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.

Table 2. Occupational characteristics of the new generation (NG) and traditional generation (TG) of migrants

	Obs.	Mean (S	ation)	_ t-test	
	ODS.	Whole sample	TG	NG	- 1-1651
Job category	1046				
Unit chief and manager		0.20 (0.40)	0.22 (0.41)	0.18 (0.38)	-1.61 <sup>*</sup>
Professional and technical personnel		0.01 (0.09)	0.01 (0.10)	0.01 (0.07)	-0.77
Clerk and related workers		0.03 (0.16)	0.03 (0.17)	0.02 (0.13)	-1.32
Business and service personnel		0.30 (0.46)	0.23 (0.42)	0.40 (0.49)	5.87***
Production, transport equipment operators		0.22 (0.47)	0.22 (0.47)	0.20 (0.46)	-1.27
and related workers		0.32 (0.47)	0.33 (0.47)	0.29 (0.46)	-1.27
Other (incl. no fixed job)		0.15 (0.36)	0.18 (0.38)	0.10 (0.31)	-3.20***
Type of employment	1044				
Self-employed or family business		0.44 (0.50)	0.46 (0.50)	0.40 (0.49)	-1.88 <sup>*</sup>
State owned or collectively owned		0.09 (0.28)	0.10 (0.30)	0.06 (0.24)	-2.21 <sup>**</sup>
Private enterprise		0.47 (0.50)	0.44 (0.50)	0.54 (0.50)	3.13***
Job hunting method	1019				
Introduced by relatives or friends		0.52 (0.50)	0.54 (0.50)	0.49 (0.50)	-1.59
Labour market		0.45 (0.50)	0.43 (0.50)	0.49 (0.50)	2.04**
Self-employed		0.03 (0.16)	0.03 (0.38)	0.02 (0.13)	-1.35

Notes: Standard deviations are in the parentheses. The null hypothesis of the t- test is that the means of the variable in the two generations are equal.

<sup>\*\*\*</sup> significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.

Table 3. Working conditions of the new generation (NG) and traditional generation (TG) of migrants

	Obs.	Mean	_ t-test		
	ODS.	Whole sample	TG	NG	_ เ-เยรเ
Income per month (RMB)	1040	2485 (3044)	2427 (3063)	2581 (3014)	0.79
Working hours per day	1042	9.51 (2.23)	9.58 (2.26)	9.93 (2.18)	1.34
Signing contract (signed=1)	896	0.34 (0.48)	0.33 (0.47)	0.37 (0.48)	1.11
Defaulted on wage	914	0.09 (0.29)	0.08 (0.28)	0.10 (0.30)	0.62
Receiving payment for extra work	411	0.76 (0.43)	0.78 (0.41)	0.74 (0.44)	-1.06
Dispute in work	1048	0.48 (0.50)	0.46 (0.50)	0.51 (0.50)	1.56
Insurance in work	959	0.25 (0.43)	0.22 (0.42)	0.29 (0.45)	2.34**
On-the-job training	1047	0.41 (0.49)	0.35 (0.48)	0.51 (0.50)	5.07***
Health	1048				
Dangerous or toxic work		0.22 (0.41)	0.25 (0.43)	0.18 (0.38)	-2.61***
Regular health check		0.38 (0.49)	0.32 (0.47)	0.47 (0.50)	4.94

Notes: Standard deviations are in the parentheses. The null hypothesis of the t- test is that the means of the variable in the two generations are equal.

<sup>\*\*\*</sup> significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.

Table 4. Incomes per job category of the new generation (NG) and traditional generation (TG) of migrants

lob catagories	Description	No	Income (RMB)		t-test	
Job categories	Description	INO	TG	NG	เ-เยรเ	
Unit chief and	Including owner of self-running	210	3300	3684	0.49	
manager	manager business, manager in the company.		(5384)	(5419)	0.49	
Professional and	Including teacher and accountant.	8	2042	10500	2.36*	
technical personnel	including teacher and accountant.	0	(776)	(10607)		
Clerk and related	Including secretary or assistant in the		1392	1843	_	
workers	company, safeguard in policy station,	27	(1121)	(1450)	0.85	
WOIKEIS	and dispatcher of travel agency, etc.		(1121)	(1430)		
	Including service attendant in					
Business and service personnel	restaurant, sales staff and cashier in the	•	1584	1774		
	supermarket and shops, cook, barber,	313	(1494)	(1676)	1.05	
	cleaning staff, nurse, tailor, porter,	(1494)		(1070)		
	warehouse and logistics staff etc.					
Production,	Including construction worker, driver,					
transport equipment	factory worker, installment workers,	331	2742	2996	0.98	
operators and	ators and repairing and maintenance workers, etc.		(2396) (1904)	0.00		
related Workers	repairing and maintenance werners, etc	•				
Other	Including those who have no fixed job.	157	2103	2449	1.15	
Carlor	metaling these time have no tixed jest.	.0.	(1299)	(2395)		
Total/average		1046	2427	2581	0.70	
			(3063)	(3014)	0.79	

Notes: Standard deviations are in parentheses.

Jobs are divided into six categories based on the Classification of Occupations in Labor Market and its Code (LB501-2002), issued by the Ministry of Human Resources and Social Security of China.

Table 5. Job attitudes of the new generation (NG) and traditional generation (TG) of migrants

		Mean (Stan	dard Deviation	on)	→ toot
Job attitude	Obs.	Whole sample	TG	NG	z-test (t-test)
Job satisfaction (1-5 Likert scale)	1043	2.92 (0.58)	2.88 (0.58)	2.98 (0.56)	2.90***
Inclination to change job (1 = yes)	1048	0.83 (0.38)	0.80 (0.40)	0.88 (0.33)	3.31***
Right pursuing in work dispute	537				
Not pursuing right in dispute		0.07 (0.25)	0.08 (0.28)	0.04 (0.20)	-1.84*
Helped by relatives and friends		0.57 (0.50)	0.62 (0.49)	0.49 (0.50)	-2.94***
Helped by law and government		0.36 (0.48)	0.30 (0.46)	0.47 (0.50)	4.02***
Study in free time (1 = yes)	1048	0.11 (0.31)	0.08 (0.28)	0.15 (0.36)	3.31***

Notes: : Standard deviations are in the parentheses. The null hypothesis of the t- test is that the means of the variable in the two generations are equal. The null hypothesis of the z-test is that the distribution of the variable in the two generations are equal.

<sup>\*\*\*</sup> significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.

Table 6. Regression results for job satisfaction, ordered logit model

	Job satisfaction		
	Whole sample	New generation	Traditional generation
Demographic characteristics			
Ethnicity (Han)	0.282	0.541*	0.165
	(0.176)	(0.306)	(0.226)
Gender (Male)	-0.067	-0.12	-0.063
	(0.163)	(0.269)	(0.215)
Age	0.015	-0.093	0.272**
	(0.055)	(0.349)	(0.128)
Age2/100	-0.011	0.31	-0.282*
	(0.071)	(0.709)	(0.145)
Intra-province migrant	-0.031	-0.374	0.096
	(0.181)	(0.331)	(0.223)
Rural hukou	-0.420*	-0.433	-0.441
	(0.245)	(0.395)	(0.325)
Family characteristics			
Married (or divorced)	-0.027	0.019	0.268
	(0.272)	(0.354)	(0.554)
Family members	0.006	0.106	-0.055
	(0.051)	(0.083)	(0.067)
Minor children	-0.419**	-0.645*	-0.342
	(0.185)	(0.352)	(0.227)
Education			
Primary school	0.287	0.67	0.168
	(0.269)	(0.744)	(0.296)
Secondary school	0.403	0.431	0.346
	(0.265)	(0.718)	(0.299)
High school and higher	0.629*	1.012	0.208
	(0.370)	(0.804)	(0.451)
Occupational characteristics			
First three job categories	0.710**	0.815*	0.644**
	(0.255)	(0.476)	(0.319)
Business and service personnel	0.277	1.017**	-0.122
	(0.240)	(0.437)	(0.304)
Production, transport equipment	0.119	1.021**	-0.263
operators and related workers	(0.236)	(0.456)	(0.286)
Job through formal labour market	-0.223	-0.493*	-0.059
	(0.150)	(0.255)	(0.194)
Self-employed or family business	0.026	-1.166**	0.631*
	(0.302)	(0.589)	(0.363)
State owned or collectively owned	0.265	0.194	0.327
	(0.177)	(0.299)	(0.231)
Working conditions			
Income (In)	0.398**	0.283	0.459**
	(0.127)	(0.221)	(0.161)
Working hours	-0.140***	-0.178**	-0.132**
	(0.036)	(0.061)	(0.047)

Signed contract	0.454**	0.821**	0.214
	(0.186)	(0.325)	(0.239)
On-the-job training	0.582***	0.082	0.866***
	(0.167)	(0.280)	(0.214)
Dangerous or toxic work	-0.488**	-0.850**	-0.348
	(0.194)	(0.365)	(0.239)
Regular health checks	0.623***	0.712**	0.637**
	(0.170)	(0.287)	(0.220)
Defaulted on wage	-0.654**	-1.067**	-0.593*
-	(0.259)	(0.444)	(0.342)
Constant			
Cut1	-2.915*	-5.503	3.851
	(1.503)	(4.573)	(3.205)
Cut2	0.696	-1.131	7.311**
	(1.460)	(4.461)	(3.191)
Cut3	5.181***	3.826	11.757***
	(1.472)	(4.471)	(3.220)
Cut4	7.052***	5.877	13.534***
	(1.492)	(4.487)	(3.235)
Wald chi2	163.87	98.29	93.22
No. of observations	1006	386	621

Note:

\*\*\* significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.

Table 7. Blinder-Oaxaca decomposition of difference in job satisfaction between new and traditional generation of migrants

Differential			
Predicted difference between the two generations	0.109**		
-	(100%)		
Endowments			
Demographic characteristics	0.005		
	(4.2%)		
Family characteristics	0.025*		
	(22.8%)		
Education	0.002		
_	(2.3%)		
Occupational characteristics	-0.010*		
	(-9.3%)		
Working conditions	0.074***		
	(67.8%)		
Total	0.096***		
	(87.7%)		
Coefficients			
Demographic characteristics	0.076		
	(69.9%)		
Family characteristics	0.009		
	(8.1%)		
Education	-0.055		
	(-50.5%)		
Occupational characteristics	-0.032		
	(-29.0%)		
Working conditions	-0.17		
	(-156.1%)		
Constant	0.193		
	177.06%		
Total	0.021		
Internal Con-	(19.4%)		
Interaction	0.004		
Demographic characteristics	-0.001		
Family, also association	(-1.2%)		
Family characteristics	-0.004		
Education	(-3.3%) 0.003		
Education			
Occupational characteristics	(2.4%)		
Occupational characteristics	0.007		
Working conditions	(6.3%)		
Working conditions	-0.012 ( 11.3%)		
Total	(-11.2%)		
Total	-0.008 (7.1%)		
Note: Standard arrara are in parentheses	(-7.1%)		

Note: Standard errors are in parentheses.

<sup>\*\*\*</sup> significant at 1% level; \*\* significant at 5% level; \* significant at 10% level.