WORKING PAPER



1 Introduction

Theeisgovirgeccgritionofile inpotance of fairness in the distribution of incone and wealth, and

Figue 1: Gri coefficient of inconeire quelity, United States and selected HU countries

Sance Version 92 of the Standardzed Wold Income Inequality Database of Solt (2020). Note the Griccefficient is measured on a O 100 scale Gloss income inequality: the dispession of income before taxes and redistribution Net income inequality: the dispession of income after taxes and redistribution

Severifatos coldephing ovirgin oneire quility villinde el que donnies (see, fore an ple, Göster and Eth, 2015; for an excellent survey). Echnological dange and ghe ii sation often feature prominently anong possible causes. Echnological dange, by fostering capital a genering technical dange, capital accumulation and actedine in the relative price of investment goods, could result in increase dimension of the relative price of investment goods, could result in increase dimension of the relative price of investment goods, could result in independent on the relative price of investment goods, could result in independent on the relative price of investment goods, could result in independent on the relative price of investment goods, could result in integrate reverses of high skilled volkes relative to low skilled volkes if high skilled volkes are readed to que at environing of production from the relative program the relative integrated requipports to develop electronic scalar relations of the relatives dminishybor portunities indeveloped contries and intensify competition. All these factors of the risk productive in the second scalar and the relatives of the relative program the relatives of the relatives of the relative price of the relative pric

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Tisplicypapersumaises the key conclusions from Wiking Grup 5 of MRORO) which four sed on the distributional consequences of globalisation and technological progress

20 de lisation and tade

Oblisationis fiequently seen as a legitive of inequality in developed contries. Alternate and Obli (2020), and follow powels by the same authors, sturied this question by using is bournablet and inequality outcomes based on a unique firm level dataset from France, Italy and Spain in the period from 2000 to 2017. Some of the investigation development in the period from 2000 to 2017. Some of the investigation development in the period from 2000 to 2017. Some of the investigation development in the period from 2000 to 2017. Some of the investigation development is a state of the investigation of the investor of th

Gelistionan benasuedin narywys Angioelenen tofteglobiistion pacess we Ginis integrionino teglobel comy interpret deads. Gine speiene depict comic gov/haveging/Opecent pervention 1980/2011, subsequently sloving to testill light weld?7 pacent perventione age from 2012/2019 Masued at purchasing poverstant hads, Ginis output exceeded Ceman output in 1994, Expresse output in 2000, and US output in 2016 become the lags steeromy intervald. Ginis accession to the Wild Exe Ognisation in 2001 helped boost the integration of the contry intoglobel tabeliovs and value durins. The substantial productivity gov/hoven the past decades uses the dim lover production costs, while a pash for search and technological development the sgate elly increased the value at the domonent of Ginesse exports. Bernacket al (2009) for nithet genter exposure to imposs from low wage countries choosed plants united and gov/himite US name facturing sectory while the surviving finance and the immune of employees. These firstings were subsequently confirmed for Flaque (Acreet al, 2013).

This, it was a sensibled nice by Alton onte and Gali (2020) to masure exposure toget a lisation as the increase in imports from Crime, which they call – in line with the literature – "Crimeshock". Specifically, they used access sectional indicators were repeated preceding the global firm rotal and

¹ Datascuce Apil 2022/MFV/ildRoronicOtlock/database; series: Gloss donastic product, curent prices', unit Ruchasing pover parity, international collars'.

econnicoisis, 2000/2007, Foreach NUIS 2 (Nonendatue of Tenitoial Units for Statistics²) region, the dange incalingois from Chinato aparticular industry of according is consistently by the total number of values in the same industry of the country. The regions pecific industry is below the veighted average of the industry specific romalised Chinese inport damps, with veights conseponding to the relatives the of values in the type click industry with industry of the total veights and the romalisation factor are taken in the 2000/2007/period to avoid possible on type relatives effects, as the are by sist aims to study the inpacts of the Chines in the post-global firm rial clicks period of 2011-2017.

Tekykbomaktaniireqaiiyinkatosstuledaeaeagekbonconpensation(totalkbor conpensationdvidedbytterunkerofenployees – thetheeaftervecall'averagevages' for simplicity) and techoschickektivedepivationate, vkichmasues the disconterpapelefect when they compare the isocioe connicistatus to the tof other families. But him is a case averaged attre NUES 2 level. In addition to the depivationate, the authos included so the average Gri coefficient at the NUES 2 level. The included so the average Gri analytication as cover the vhicle period 2011-2017

TeuripeMRORODdasetvesuedforteanlysis, vhichindudes fimilesel dataforte nan facturing industries of Fizme, Relyand Spein between 2000 and 2017. Terfirst dellangeves setting up of the dataset, which was based on several virtages of the OHS/Anackus database A representatives anyle of the name facturing industry vasione at each with character of the name facturing industry vasione at each with character of the name facturing industry vasione at each with character of the name facturing industry vasione at each with character of the name facturing industry vasione at each with character of the name facturing industry vasione at each each excitation of the term facturing industry vasione at each each excitation of the term for Aninpotent feature of the research was the titrot only studied the checking act of the Crineshock on inequality indicators and about market outcomes, but also the indirect effects via average wages and total factor productivity (TRP), by estimating a utilizating regressions. The eby, the research was able to offer a none competensive picture of the Crineshock in part.

Several interesting results en en gedfict the research

TeChreshokhedapositiveeffectontotal factorpoductivity in the nucleon term Trisnesult is in line with calienes carch (cgAueretal, 2013).

Accegevages increased after the Chinashock, which is consistent with the shock's positive impectant deal factor productivity.

However, when controlling for total factor productivity, at the nangin, the Chinashold as had a depressing effect on wages. This finding highlights the importance of studying the channels

expsediegions of yhigherlevels of productivity help to smooth at the effect of the shock. The effect on inequality suggests that the trades hock effect is mediated by the existing conditions in the labor market?

collegedegee Trevøgered utionvæs divenentirely by the loverhelf of the inconectist ibution, utinately leading to a larger vøge gepandrising vøge i requelity.

Howey, Autor (2015) agredite tautonation not only substitutes for kbox; but also complements kbox and thus increases output. He stressed the the former effect tends to be overstated in public debates to the disact antage of the latter:

For Europe, Geogny et al (2021) conducted that technologies can create none jobs than they destroy. They found that no time replacing technologies destroyed 9 million jobs in Europe from 1999 2010 but created about 14:19 million jobs over the same period, resulting from lower product prices, which improve regions' terms of track, raising their tradible output and employment. In addition, local incomes greward there were positive character pillowers to the monte addition of the temployment vould be sector. Furthermore, Geogny et al (2021) showed the temployment vould be segrever and you make a specific output and employment and the provided temployment vould be segrever and the provided temployment vould be segrever and you with the agginerit and wide menu the public of the temployment and wide menu the public output and the public output and

AtomateardGali (2020) defined the abolics to desinitally to the Ginesholades of bed in the previous section the darge in the stack of a data in a particular in the start of the start of the start of the country, which is the novieg technologies in the start of the country, which is the novieg technologies in the start of the country, which is the novieg technologies in the start of the country in the start of the country, which is the novieg technologies in the start of the country in the start of the country, which is the novieg technologies in the start of the country in the country in the start of the countr

Tenaincodusionsofteneseadwae

Texbolicshoksuppts highertotal factor pollutivity in the mail uniternal Accegevages increase after the abolicshock, which is consistent with the shock's positive impact on total factor productivity. We near total factor productivity, the abolicshock appears to have a positive effect on accegevages, which is different from the same impact for the Chineshock. The abolicshock also increases vages levress when controlling for total factor productivity. A higher here in the company statements of the company of the chineshock indicating avaise might for the company of the com

Teefoe, following the addics had, the authors found higher veges along with higher slewness, but also higher growth in relative depixation rates. This existence may suggest two fundamental features of the two shocks.

Teskil peniment/oneturs firms droling alert of tegint het avolengets by inesting in highereduction it is calculated as the zero of vages of the high skilled values to the vages of low skilled values. A tor (2014) medited anatic is einiteskill peniminthe United States and agges the this contributes substantially to the is einit conceive paily. A tor (2014) attributed the shap increase in the skill peniminthe US to the dedire in monoclege employment in production, achimistrative and derical work, the shapp is einit low skilled blow supply and competition from the developing world, the dedire in the bage in ingrover of blow unions, and eductions interprogram taxates.

Linderand Muzközy (2020) examined how differently pes of technological charge affect wage in equality. They investigated the metationship between final evels kill demand and different innovation activities. Skill demand is provided by the share and wage premium of college educated workers. Innovation activities in observed by the share and wage premium of college educated workers. Innovation activities in observed by the share and wage premium of college educated workers. Innovation activities in observed the introduction of production processes, products and management methods, which are rew for the firm but not recess an ity for the market.

Techtasetisauri pefimleveli moationsuvey intechtoen ployee en ployer datafion Hingay and Novay. Techtaset induces five appealed values of a large scale in rotation suvey, each of which covers a cond 5000 finns. The suvey has a parel cinematic nasivell. This allows waker level wags to be studied and compositional changes are ulting from in teased shill demand due to impation to be controlled for:

Hugayan Novayaetvodifier toor ties intens of motaioradivities and a bornal ets (Linde and Musköy, 2020). On a cage, Hugaian fins are note to hogy adaptes, while Novegian fins are not too hogy developes. Labornal ets are lessing, lated in Hugay then in Novay. This, findings for these two contries with different characteristics have the potential to offer intensing insights into the effects of the different types of technological developments on the skill-penium and dimately on income in equality.

Lindeand Masköy (2020) fist derived at the optical model in which finds have two inputs in the production function high skilled labor and low skilled labor. The nodel suggests that if veges are set in an on operative ensirement, then a negative relationship energy subtract the firm level as long as there is no skill biased technological dange. They, therefore, examined to that he quantity of labor and the vegetes porce By following the

Diaonfreadptionofindustrialschots at the contry industry level (fiom the Internetional Federation of Rebotics) vas conbined with negional employment data (either fiom Facestator fiom rational sources). Historical labor market data is firm the Fuque and abour Foce Survey and

Highquiliyvalessatintovals comilest dishnents (assotative natching). Hower, this sating only nocks thy mates the positive link between wak comils and a barp collativity, wags and poils. This wakers a ting describinalist between a basel to fpositive comil effects as channented in the literature

Hydrogewolkes have astrog positive productivity contribution, but this is not influenced by work councils. Thus, worker quality and worker participation in work councils are not complements imperformance management.

Treeis apositivelirk between comile istemeandestabilish nert politability even after controlling for waker quelity. Tris implies the toom of scancer tribute to affairs hair gof productivity gains between k bourand capital, thereby contributing to astable k bours have in income at the plant level.

Ocal, the findings suggest the two kaan of is here positive effects on productivity, wage and polit at the find level. This also implies a difference between those finds the there work councils and those the tobart. Since finds with a two kaan of is obsorber efficient the positive effects of such councils, wage in equality could be deploted and the two types of find And tenews on for wage in equality. is a checkly the Chinashock, but in cases after auchots hock. The magine linpacts of both shocks dange vhemile impact via average vages is fillered out, yet from a policy perspective, the overall impact is caused. Thus, new findings characterized to the declarge could have been canajor diver of increase dimoneir equalities in developed counties, but tacked de lisation has not Nevertheless, the different magine linpacts suggest the the Chinashock inclued vage fails (in vages characterized as much as productivity increase vould have implied), while the impact of the actor adoption shock is consistent with an increase in the shill penium.

Cherrowheseach i glighted the inpotent de of low row by content in totation, which accounts for at least two thicks of all increasion activities. Estimates for Hugayard Nowy, two contries at clifteent stages of technological development and with different labor markets, new also up is in gland partitative in pacts of increasion on the relative wags of high skilled workers. Both low and high movel by increasion and essociated with an increase in the college period with similar again dest, but be cause of its greater period with an increase in the college agreement of high movel by increasion in explaining the skill period. Thus, skill biased technological developmentary in the clogenearing new knowledge of high movel by products at the find well.

Incessed in consistence in equility, or the cases of income in equility, ille incessed addition of the political consequences. New search four data as a behavior of the political consequences. New search four data as a behavior of the political consequences in support for retionalistance and realized additional additionaddity additional ad

Enely, khomaktinstituions nightniigtetheakeseinpadsofted ndogial dargeon khominanus and inconeirequeity. Forthespecific as ea of Genan work courds (which are different from tackeurions), new escatch four twey positive results: such work courd is increase packativity, wags and pacifis, results the transing if ican teven when contailing for the efforts of high queity person el to seek jabs in high packativity and high wage fins, where the pevalence of work courds is higher. Witk courd is can also contribute to a fairst raing of packativity gains between khoman capital. All these factors berefit work es, yet such berefits about a is einfinns where the evaluations, soul in ately, work courd is could increase in equility between wakes at different firms. Wile furthenessen chshould explore whether the German much of wak councils could be adapted in the kbox market structure of other countries, the encouraging findings on the German much suggest the toestain kbox market institutions could result in a vin vin situation Auto; DH(2015) Why Are TraceStill So Mary Jobs? Tel-Istory and Future of Wilephace Automation, Journal of Francisc Respectives, 29(3): 330 https://doi.org/101257/jep2933

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