

# Reframing active labor market policy: Experimental evidence of training vouchers for unemployed

## PRE-ANALYSIS PLAN

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This document describes the research design and analysis strategy of our field experiment, designed to boost training and employment of unemployed. We start with a detailed outline of the intervention, which takes place in early 2021 during a Covid-19 induced partial lockdown in the region of Lower Austria (*Niederösterreich*) in Austria. Unemployed receive an email newsletter, which for some contains a training voucher and additional information on job vacancies. We designed multiple different treatment arms to separate out direct effects of raising awareness, supporting reciprocity, and strengthening autonomy. We provide a detailed discussion of our sample selection, variables used and the handling of the data to make the analysis as transparent and replicable as possible. We report the outcomes of our stratified randomization. Further, we state our hypotheses and outcomes of interest motivated by the active labour market policy evaluation literature. Finally, we conclude by specifying our statistical approach to inference.

## 1 Background

### 1.1 Description of the intervention

In February and March 2021, we launch a field experiment designed in cooperation and implemented by the Public Employment Service (PES) of Lower Austria (*Arbeitsmarktservice Niederösterreich (AMS NÖ)*). The aim is to increase training and employment among the unemployed by increasing participation in and completion of training programs. The intervention consists of an email newsletter that invites unemployed, who have been registered as unemployed for 3 to 12 months, to voluntarily contact the PES to arrange a consultation on training programs. The newsletters will be sent in three waves on February 9th, February 16th, and March 9th. Individuals are assigned to the waves depending on their duration of unemployment.

**Context** The newsletters are embedded in the broader PES advertisement campaign *Corona-Joboffensive* to promote participation in training programs amidst the Covid-19 pandemic. In addition to contacting unemployed directly via the newsletter, the PES is establishing a separate hotline for consultations on training opportunities and advertising training opportunities in regional newspapers. Training program participants generally continue to receive their unemployment benefits. Financial incentives to enrolment are provided for training programs with a duration of at least 4 months starting in 2021. They amount to €4,- per day, which makes around 10-20% of the benefits received for the median unemployed.

The range of training programs is diverse: from refreshing existing technical knowledge to complete training with an apprenticeship certificate. Common courses include mechatronics, refrigeration

technology, IT systems technology, programming/coding, plastics technology, as well as training and further education in professions that are in demand, such as restaurant management, hotel and catering assistance or nursing. Also individual training needs are supported, i.e. an unemployed opera singer could receive personal singing classes if this is deemed to increase employment prospects. The duration of the courses varies substantially, depending on the type of course, between several days/weeks up to 18 months for apprenticeship programs. In general, the campaign focuses on longer training programs with a duration starting at around 10 weeks.

**Treatments** Three different treatment arms vary the type of information provided and the (perceived) autonomy that the unemployed have in choosing a training program. The unemployed in the sample will be randomly allocated to each of the 4 groups on an individual level. This randomization is conducted separately for each sending date, which ensures that unemployed with different unemployment durations are equally divided within the groups. Further information about the randomization procedure is provided in section 2.4.

The different treatment arms are as follows:

1. Group: control
2. Group: treatment with newsletter (Figure 3)
3. Group: treatment with newsletter, and voucher (Figure 4, Figure 2)
4. Group: treatment with newsletter, voucher, and information prime (Figure 5, Figure 2)

*Group 1* functions as the control group and is not contacted at all.

*Group 2* receives a newsletter (Figure 3) that includes an invitation to a consultation to discuss potential training programs with the PES' job counselor and provides information about existing financial incentives to start a training program.

In addition, *groups 3 and 4* receive a voucher (Figure 2) worth €15.000,-, which can be redeemed to take part in training programs provided by the PES. Alternatively, the voucher can be redeemed in consultation with the PES for any outside training for up to €3.000,-.<sup>1</sup> The groups receiving the voucher further obtain a list of typical training programs as part of the newsletter (Figure 4). This should motivate the unemployed in these two groups to already think about their preferred training program before the consultation at the PES. Finally, job counselors are instructed to *take serious* the voucher received by unemployed. The treatment is designed to increase self-initiative for the unemployed and raise awareness for the financial value of such training programs, thus inducing reciprocity.

Finally, *group 4* receives in addition to the voucher an information treatment consisting of a list of occupations with the highest number of job vacancies (Figure 5). This information treatment is intended to counteract a frequently mentioned concern related to asymmetric information in the use of training vouchers: unemployed allegedly do not have enough information to make an informed choice about their optimal training program (Strittmatter, 2016). It will additionally increase (perceived) autonomy as it encourages even more to think about potential course choices before the consultation at the PES.

In general, all groups (including the control group) have access to the same training programs, both provided by the PES as well as outside training. The intervention, thus, consists of the variation in the type of information provided. Additionally, it varies the actual and perceived autonomy that the unemployed have in choosing their courses.

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<sup>1</sup>The PES generally provides funding of up to €3.000,- for training programs of external suppliers, including for *groups 1 and 2*. However, this is not advertised and therefore awareness will be limited for *group 1 and 2*.

**Conditionality** Currently, by law (*Arbeitslosenversicherungsgesetz (ALVG §9)*), unemployed are assigned to labor market programs by the PES. This takes place after a consultation with the job counselor. In most cases, consultations with the job counselors and program assignment is obligatory, i.e. with conditionality attached. If an unemployed does not attend a PES appointment or assigned program - typically with no shows - the unemployment benefits can be cut or - in the most severe cases - blocked temporarily. Absences with a valid excuse, such as for sick leave, are exempted. As a result, assignment to a training program is often perceived negatively as a burden or punishment rather than positively as an opportunity and support.

In general, job consultations are obligatory for unemployed and often imply limited discussion with unemployed about their preferences. In the context of our experiment, the consultation with the job counselor is open to all treatment and control groups. Attendance is voluntary and only takes place if an unemployed contacts the PES on her own initiative, i.e. as a response to the newsletter. By law, job counselors are required to assess the adequacy of any training program and approve of it (*Arbeitsmarktpolitische Prüfung*). Job counselors approve suggestions for training programs as long as they credibly contribute to increasing the employment prospects of the unemployed. Course choice that seem purely for personal pleasure are declined. The time span between selection and start of the course will be held as short as possible; usually well below 3 months.

## 1.2 Timeline for the intervention

The intervention takes place in three waves in February and March 2021:

- Wave 1, February 9: unemployed with a spell of 6 to 9 months (181-270 days)
- Wave 2, February 16: unemployed with a spell of 9 to 12 months (271-365 days)
- Wave 3, March 9: unemployed with a spell of 3 to 4 months who did not receive the newsletter previously due to a too short spell <sup>2</sup>

First analyses of short-term treatment effects are intended to be carried out with outcome data provided by the PES in several rounds in 2021. Longer-term effects are intended to be estimated with data provided by the PES each year until 2026. This will allow us to estimate long-term effects up to at least 5 years after the intervention.

## 1.3 Covid-19 impact

**Safety measures** The PES takes specific measures to protect the health of training program participants during the pandemic. Parts of the training move to online teaching but personal presence is allowed where necessary. Wearing FFP2 masks and the distance rule of two metres is obligatory for on-site training. If required, laptops are offered to enable virtual training from home.

**Labor market crisis** The timing of the intervention is amidst the Covid-19 crisis, which affected the Austrian labor market severely. In December 2020 the absolute number of unemployed persons in Austria has reached nearly 500.000 people, which is around 30% higher than in December 2019 (AMS-Uebersichtsbericht, 2021). The situation in Niederösterreich, the region we study, is slightly better with around 70.000 unemployed and an increase of 18% in comparison to the previous year (AMS-Uebersichtsbericht, 2021). The most affected subgroups were young and blue collar workers. The impact is very uneven across sectors with tourism, hospitality and personal services hit hardest by a drop in employment due to government induced shutdowns (Bock-Schappelwein, Huemer, and Hyll, 2021).

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<sup>2</sup>All unemployed with a spell of 3 to 6 months (91-180 days) received the standard newsletter on February 2. They are not included in the experimental design since all received the same treatment.

**Lock-in effects** When considering the literature about the effects of training programs for the unemployed the presence of so-called lock-in effects is undisputed. Training programs, thus, first lead to negative employment effects, as they take up a considerable amount of time for the unemployed, which reduces time spent on job search or even prevents take-up of available jobs (Vooren et al., 2019). Positive employment effects were found to materialize only in the long-term, i.e. at the earliest one year afterwards. However, these lock-in effects are strongly dependent on the current labor market situation. In times of high unemployment and dense labor markets, these lock-in effects are reduced, which, in turn, increases the effectiveness of training programs in recessions (Card, Kluge, and Weber, 2018). In light of this evidence, the timing of the intervention was deliberately set amidst the Covid-19 crisis to maximize its effectiveness.

## 2 Study design

### 2.1 Overview

In this section, we describe our analytical approach in detail. Firstly, we specify the criteria for inclusion in our sample and related limitations. Secondly, we describe the data. Thirdly, we present the randomisation procedure for our treatment assignment. Fourthly, we state our hypotheses regarding outcomes. Fifthly, we specify the details of our outcome variables. Finally, we discuss our estimation and inference approach.

The code implementing the following designs has been uploaded to *GitHub*, at <https://github.com/lukaslehner/Vouchers>. For the stratified randomization, we use the package *randomizr* in *R*.

### 2.2 Sample selection

Our sample comprises of around 12.000 unemployed. They are distributed over 3 waves with 3.700 people in wave 1, *number* in wave 2, and *number* in wave 3. This makes up for around 20% of all currently unemployed in Lower Austria. Sample selection for waves 1 and 2 follows the criteria of every person, who has been registered as unemployed with the PES for 6 to 12 months. Additionally, with the last wave, we also capture those, who have been unemployed at the start of the intervention for between 2 and 3 months.

Individuals with the status "unemployed" as well as "in job search" are included, meaning that all registered unemployed are included regardless of whether they receive unemployment benefits or not. Unemployed who are already enrolled in a training program *in Schulung* at the time of the intervention are excluded from the sample. The sample is further restricted to people, who are at least 25 years old and do not have a pending job acceptance.

Since the newsletter is sent via email only registered unemployed with a valid email can be contacted. Unemployed without a valid email are not included in the randomisation procedure and thus excluded from the study. This applies to around 25% of the population.

Finally, as mentioned above, the context amidst the Corona crisis is very specific. The number of unemployed people is much higher, which also influences the characteristics of the unemployed that are clearly different in recessions than during normal economic conditions. Our findings are thus very well suited to infer the effectiveness of such an intervention during a recession, but the generalizability to normal economic conditions or a boom is therefore limited. We will, however, describe how our sample of unemployed differs from the unemployed before the Covid-crisis. Additionally, a subset of our sample has been unemployed already before the Covid-crisis, which we will exploit in the heterogeneity analysis. Nevertheless, the special economic conditions will influence the effectiveness of the intervention also through other channels than the characteristics of the unemployed, such as the already mentioned lock-in effects or the number and type of job openings

after the training is completed etc.

These aspects have to be kept in mind when generalizing our results to a broader population of unemployed or to different economic conditions.

## 2.3 Data

**Administrative data** All data used in the analysis is provided by the PES and consists of administrative data. No additional data will be collected. Table 1 shows a summary and categorisation of all variables used.

Table 1: Variables

Type	Variable name
Primary outcomes	Training completion Labor market status <sup>1</sup> Job quality (Indicator including earnings and employment stability)
Secondary outcomes	Newsletter read + Clicks Training take-up Type of training
Stratified Randomization	Education (binary: compulsory school, higher) Unemployment duration (following the 3 waves) Age (below 35 years, 35-50 years, above 50 years) Gender (binary: men, women) Region (Weinviertel, Mostviertel, Waldviertel, Industrieviertel)
Control Variables	Strata relevant variables not included in stratification: job counselor, income level <sup>2</sup> , experience, sector medical condition, nationality, language proficiency occupation (ISCO-08 1-digit), marginal employment
Heterogeneity analysis	Education Unemployment duration Pre- and In-Corona unemployed <sup>3,4</sup> Income level <sup>2,3</sup> Age Gender

<sup>1</sup> differentiated by employment and labor force exit.

<sup>2</sup> before unemployment spell.

<sup>3</sup> No stratification variable due to data availability.

<sup>4</sup> Defined as 1 month before and after the announcement of the first lockdown in Austria on 10th March 2020

**Attrition & Exclusions** We will make an effort to keep attrition to a minimum. As we use solely administrative data, we expect attrition to be negligibly low. It is, however, possible that participants move abroad or pass away. We will test, whether those who attrit are systematically different from the rest of the sample and report the results. Further, we can provide estimates

of lower and upper bounds of our estimated effects depending on different assumptions we make about the part of our sample, that shows attrition.

Firstly, as mentioned above, all unemployed who do not have a valid email are excluded from the study by definition, as we cannot reach them. However, we have data about this subsample and can check whether they differ systematically from our sample and discuss potential biases. Additionally, those who are already taking part in a training program are also not included in our sample, because they are, in some way, already treated. It would not make any sense to treat them with our intervention, as they cannot enrol in another training program in parallel. Our findings thus extend only to those unemployed who are not already in training programs and should be generalized to the entire population of unemployed only with caution.

## 2.4 Treatment assignment

The randomization is conducted for every wave separately, thus practically stratifying by the three categories of unemployment duration dividing the three waves. In addition, we use the other stratification variables as specified in table 1 to construct strata, i.e. blocks. The treatment assignment is in a next step conducted randomly within these strata. Ideally, we would like to stratify by more variables than just the five used, but the sample size does not allow more stratification variables, because then the strata would become too small.

For the first wave, the result of the randomization is as follows. 48 strata were constructed, with a minimum of 10 observations and a maximum of 226, as can be seen in figure 1.

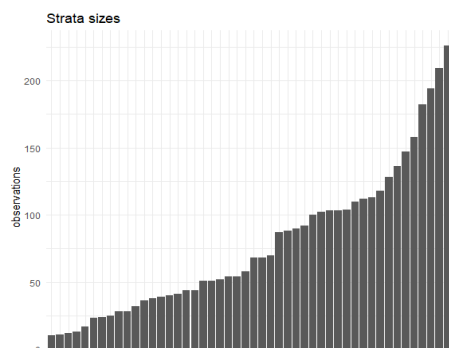


Figure 1: Strata size in Wave 1

However, it has to be mentioned that we had 7 observations with missing education and 5 with missing nationality, which we assigned completely random to the 4 groups. Further, in table 2 the distribution of covariates between the control group and the 3 treatment groups is shown. The p-value refers to the p-value of a Chi-squared test, which tests the Null-hypothesis that there are no differences between the 4 groups. We see that the p-values are large for all groups, even for those, where no stratification has been performed.

	T1 (N=937)	T2 (N=937)	T3 (N=937)	T4 (N=934)	Total (N=3745)	p value
<b>Gender</b>						0.998
women	497 (53.0%)	493 (52.6%)	495 (52.8%)	493 (52.8%)	1978 (52.8%)	
men	440 (47.0%)	444 (47.4%)	442 (47.2%)	441 (47.2%)	1767 (47.2%)	
<b>Age group</b>						1.000
below 35 years	283 (30.2%)	285 (30.4%)	284 (30.3%)	284 (30.4%)	1136 (30.3%)	
35 - 50 years 355 (37.9%)	355 (37.9%)	355 (37.9%)	354 (37.9%)	1419 (37.9%)		
over 50 years	299 (31.9%)	297 (31.7%)	298 (31.8%)	296 (31.7%)	1190 (31.8%)	
<b>Education</b>						0.996
Missing	3	1	1	2	7	
Primary	293 (31.4%)	298 (31.8%)	297 (31.7%)	293 (31.4%)	1181 (31.6%)	
Higher than primary	641 (68.6%)	638 (68.2%)	639 (68.3%)	639 (68.6%)	2557 (68.4%)	
<b>Region</b>						1.000
Industrieviertel	417 (44.5%)	418 (44.6%)	420 (44.8%)	419 (44.9%)	1674 (44.7%)	
Mostviertel	247 (26.4%)	244 (26.0%)	243 (25.9%)	244 (26.1%)	978 (26.1%)	
Waldviertel	77 (8.2%)	81 (8.6%)	78 (8.3%)	78 (8.4%)	314 (8.4%)	
Weinviertel	196 (20.9%)	194 (20.7%)	196 (20.9%)	193 (20.7%)	779 (20.8%)	
<b>Nationality</b>						0.885
Missing	0	2	2	1	5	
Austria	728 (77.7%)	737 (78.8%)	738 (78.9%)	727 (77.9%)	2930 (78.3%)	
Other nationality	209 (22.3%)	198 (21.2%)	197 (21.1%)	206 (22.1%)	810 (21.7%)	
<b>Health</b>						0.756
No health restriction	724 (77.3%)	733 (78.2%)	721 (76.9%)	736 (78.8%)	2914 (77.8%)	
Health restriction	213 (22.7%)	204 (21.8%)	216 (23.1%)	198 (21.2%)	831 (22.2%)	
<b>Marg. empl.</b>						0.843
No	837 (89.3%)	848 (90.5%)	840 (89.6%)	836 (89.5%)	3361 (89.7%)	
Yes	100 (10.7%)	89 (9.5%)	97 (10.4%)	98 (10.5%)	384 (10.3%)	
<b>German</b>						0.411
Partial or non	143 (15.3%)	134 (14.3%)	127 (13.6%)	151 (16.2%)	555 (14.8%)	
Proficient or native	794 (84.7%)	803 (85.7%)	810 (86.4%)	783 (83.8%)	3190 (85.2%)	

Table 2: Covariate Balance Chi-squared test Wave 1

We further conducted pairwise z-tests to test for differences in covariates between each of the groups separately, which can be seen in table 3. Any significant differences would be shown by a letter indicating the group to which the z-test indicated a difference. Again, we can never reject the null hypothesis that there is no difference in the covariates between each of the groups, even when compared pairwise.

	T1 (N=937)	T2 (N=937)	T3 (N=937)	T4 (N=934)
	A	B	C	D
Primary education	31.4	31.8	31.7	31.4
Higher than primary	68.6	68.2	68.3	68.6
Below 35 years	30.2	30.4	30.3	30.4
35-50 years	37.9	37.9	37.9	37.9
Above 50 years	31.9	31.7	31.8	31.7
Industriesv.	44.5	44.6	44.8	44.9
Mostv.	26.4	26.0	25.9	26.1
Waldv.	8.2	8.6	8.3	8.4
Weinv.	20.9	20.7	20.9	20.7
Women	53.0	52.6	52.8	52.8
Men	47.0	47.4	47.2	47.2
Other nationality	22.3	21.2	21.1	22.1
Austrian	77.7	78.8	78.9	77.9
No health restriction	77.3	78.2	76.9	78.8
Health restriction	22.7	21.8	23.1	21.2
No marg. empl.	89.3	90.5	89.6	89.5
Marg. empl.	10.7	9.5	10.4	10.5
Partial or no German	15.3	14.3	13.6	16.2
Proficient or native German	84.7	85.7	86.4	83.8

Table 3: Covariate Balance, pairwise z-tests Wave 1

## 2.5 Hypotheses

We have several hypotheses regarding the different treatment groups and different outcome variables:

1. *Group 2-4* will achieve higher *training program take-up* and *completion rates* than the *control group*, but *groups 3 and 4* will have even higher take-up and completion rates than *group 2*.
2. We expect negative short-term effects (due to the so-called lock-in effects) on *unemployment duration* for *group 2-4*, which however will turn positive for all treatment groups in the long-term.
3. Further, *re-employment rates* will be highest in *group 4*, followed by *group 3*, *2*, and lastly the *control group*.
4. Finally, *job quality* will follow the same pattern as re-employment rates, but probably less pronounced.

**Training program take-up and completion rate** The first hypothesis follows from studies, such as Doerr and Strittmatter (2018). They show that motivation to take-up and complete courses increases with voucher systems, due to increased autonomy, reciprocity and higher valuation of financial costs of such programs. In turn, voucher systems lead to less drop-out from courses. Finally, *group 2* is expected to exhibit higher training program take-up rates than the *control*



*group*, because they are informed about the positive effects of training and therefore nudged towards training program participation.

**Unemployment duration** As described above, negative short-term effects on unemployment duration are relatively well-established in the literature and we therefore expect them as well in our setting; however smaller in size due to limited job vacancies as a result of the Covid-19 crisis. Further, these negative short-term effects turn into positive long-term effects on unemployment duration, as shown the literature about effects of training for the unemployed with and without vouchers (Card, Kluve, and Weber, 2018; Doerr and Strittmatter, 2018).

**Re-employment rates** The third hypothesis follows directly from the variation in training participation between the groups. In addition, *group 4* is expected to have higher re-employment rates because of the additional labour market information received. This information treatment is expected to counter the problem of asymmetric information with training vouchers, well established in the literature (Perez-Johnson, Moore, Santillano, et al., 2011; Strittmatter, 2016), and could therefore lead to better targeted training choices.

**Job Quality** The indicator for job quality, described in more detail below, consists of information about earnings in the job after the unemployment spell and the stability of employment. Earnings should follow the same pattern as re-employment rates due to the variation in training participation and the additional information in *group 4*. However, the effects on earnings are often less pronounced and clear-cut than those on re-employment (Card, Kluve, and Weber, 2018). There is not much evidence for the effect on employment stability, but we expect it to follow the same pattern as earnings.

## 2.6 Outcomes of interest

All data on outcomes of interest are available from administrative data sources, provided by the PES.

**Primary outcomes** Our three primary outcomes are training completion, labor market status, and job quality. The first one refers to whether or not a course/training program is completed. The second one differentiates between: unemployed, employed, out-of-labor force. We can, thus, differentiate between people exiting unemployment because they found a job and those exiting unemployment, because they dropped out of the labor force. This differentiation is important for drawing conclusions from the findings. Finally, job quality is important, which we proxy by combining earnings and employment stability into an indicator. Employment stability is defined via the duration of the employment spell after unemployment, independent of the specific job. This means, job-to-job transitions still count as employment, but job-to-unemployment transitions do not. We first normalize both variables and then combine them with equal weight to construct the job quality indicator. However, job quality is only observed for those who actually found a job. Therefore, we provide estimates for effects on job quality conditional on finding a job, but also for effects on the probability of having an above-average job quality indicator. The latter can account for this inherent endogeneity (Rothstein and Von Wachter, 2017).

**Secondary outcomes** The following secondary outcomes are not per se desired outcomes, but can be seen as mechanisms leading to the primary outcomes described above. In this context we will look at whether or not the email was read, newsletter clicks, and course take-up. We will differentiate by the type of course to check whether the intervention also changes training choices.

## 2.7 Estimation and inference

Due to the clean randomization of participants into *control and treatment groups* it is possible to, in a first step, compare the relevant outcome variables directly between the 4 groups via a two-sided test, such as a T-test or Mann-Whitney test or others, which will be chosen depending on the distribution of the outcome variables (Moffatt, 2019). This randomization inference will provide us with an unbiased estimate of the treatment effect that does not hinge on any assumptions other than the random assignment into the groups. Throughout the whole study, we will infer statistical significance via a p-value of 0.05 or below, thus using a 95% confidence interval.

To increase precision and test robustness we will additionally estimate parametric regressions for the treatment effects using the following estimation regression:

$$Y_i = \beta_0 + \beta_1 T_{NL} + \beta_2 T_V + \beta_3 T_{V+I} + \mathbf{X}_i + \epsilon_i \quad (1)$$

where  $Y_i$  refers to the interesting outcome variables for individual  $i$ . Depending on the scale of the outcome variable, an OLS(continuous) or a Logit(binary) regression is used. Our outcome variables are measured at different time periods and for each time period a separate regression is estimated to measure time-varying treatment effects. In the baseline specification the *control group* is the reference group, but depending on which difference between groups has to be estimated, the reference group will be chosen accordingly.  $T_{NL}$  is the second group with only the newsletter,  $T_V$  is the third group with the voucher, and  $T_{V+I}$  is the fourth group with voucher and information prime. Further, we include all control variables specified in table 1 and measured before treatment, which is represented by  $\mathbf{X}_i$  in the specification above. Finally, standard errors will be adjusted to be robust to heteroskedasticity, if necessary. The regression will be estimated such that stratification is taken into account when computing the variance and standard errors of the estimates, following Athey and Imbens (2017).

**Heterogeneity analysis** The heterogeneity analysis will be conducted via subgroup regressions of the equation above for the variables specified in table 1. Additionally, the treatment dummies in the equation above can be interacted with the pre-specified variables in table 1 and estimated for the relevant heterogeneity variables separately.

**Multiple outcomes adjustment** To control the false discovery rate in conjunction with multiple hypotheses testing we will take two approaches. First, for the treatment effects on the primary outcome variables, we will report the mean standardized treatment effect with its standard error adjusted for the dependency between the different outcome variables, following Duflo, Glennerster, and Kremer (2007). Further, we will use the Benjamini-Hochberg procedure (Romano, Shaikh, and Wolf, 2010) for the primary outcomes as well as the heterogeneity analysis, which works as follows. Sort the p-values, for each of the  $m$  hypotheses, tested by size, resulting in ordered values  $P_{(j)}$ . For a critical value  $\alpha$ , find the largest value  $k$  such that

$$P_{(k)} \leq \frac{k}{m} \alpha.$$

Reject the null hypothesis for all  $i = 1, \dots, k$ .

## 3 Publication agreement

This evaluation is based on an agreement between the researchers (i.e. Lukas Lehner and Anna Schwarz) and the *AMS NÖ*. Two key components of this agreement are that (1) no payment will be

made from the *AMS NÖ* to the researchers, and (2) the researchers are guaranteed to be entitled to publish the findings of their study in academic outlets without any interference by the *AMS NÖ*. The *AMS NÖ* may publish the results of the study in mass media as well as the *AMS research network* at any time.

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## A Appendix: Treatment

**JETZT**  
**#weiter**  
**bilden**

# GUTSCHEIN\*

im Wert von bis zu € 15.000,- für eine  
 Investition in Ihre berufliche Zukunft!

**JA**, ich mache mit. Der Gutschein\* hat einen Wert von bis zu € 15.000,-, wenn Sie eine Aus- oder Weiterbildung über das AMS machen. Ebenso können Sie sich am freien Bildungsmarkt selbst eine Aus- oder Weiterbildung aussuchen, die Ihre Chancen auf eine neue Beschäftigung erhöht. In diesem Fall hat der Gutschein\* einen Wert von bis zu € 3.000,-.  
 In jedem Fall gilt: VORHER mit dem AMS Kontakt aufnehmen und die Förderbarkeit prüfen lassen!

Vorname

Nachname

E-Mail-Adresse

Telefonnummer

PLZ

Ort

Füllen Sie obenstehende Felder gleich online aus und übermitteln Sie uns das Formular, indem Sie auf den „Absenden“-Button klicken. Wir setzen uns dann so rasch wie möglich mit Ihnen in Verbindung. Gerne können Sie den Gutschein auch ausdrucken, ausfüllen und per E-Mail an [mailservice.selnoe@ams.at](mailto:mailservice.selnoe@ams.at) schicken.

**ABSENDEN**

\* Bitte beachten Sie, dass auf Förderungen kein Rechtsanspruch besteht. Dieser Gutschein kann bis 31.12.2021 eingelöst werden. Keine Barablässe möglich.



Um das Formular vollständig ausfüllen zu können laden Sie hier die Acrobat Reader App herunter oder besuchen Sie Ihren entsprechenden App-Store oder schreiben Sie uns einfach ein E-Mail.

Figure 2: Voucher for groups 3 and 4

Bei Darstellungsproblemen klicken Sie [hier](#).



#### Ihr Weg zum beruflichen Neustart

Sehr geehrte Damen und Herren,

auch jetzt in Zeiten der Krise gibt es nachgefragte Berufe und Qualifikationen mit Zukunft. Die Corona-Joboffensive bietet Ihnen die Möglichkeit, neue Qualifikationen zu erwerben, die Ihnen den Wiedereinstieg ins Berufsleben ermöglichen.

Darum lade ich Sie ganz persönlich ein: Nutzen Sie Ihre Chancen zum beruflichen Neustart mit einer Aus- oder Weiterbildung! Finden Sie gemeinsam mit Ihrer AMS-Beraterin oder Ihrem Berater den für Sie richtigen Weg zurück ins Berufsleben! In diesem Mail zeigen wir Ihnen, wie Ihr beruflicher Neustart gelingen kann.

Nehmen Sie Ihre berufliche Zukunft in die Hand – und bleiben Sie gesund!

Ihr

Sven Hergovich  
Landesgeschäftsführer des AMS Niederösterreich

#### Aus- und Weiterbildung für den Neustart am Arbeitsmarkt

Aktuelle und nachgefragte Qualifikationen sind der wichtigste Erfolgsfaktor für den beruflichen Neustart.

Ob Auffrischkurs für Ihre Fachkenntnisse oder eine Ausbildung mit Lehrabschluss – das AMS Niederösterreich hält eine Vielzahl von Aus- und Weiterbildungsmöglichkeiten für Sie bereit.

Einige Beispiele:

- Metall- und elektrotechnische Berufe
- Mechatronik
- Berufskraftfahrer/in, Transportwesen
- Pflegeassistent / Pflegefachassistent

Verschaffen Sie sich einen Startvorteil am Arbeitsmarkt und nutzen Sie unsere Aus- und Weiterbildungsangebote!

#### So finanzieren wir Sie während Ihrer Ausbildung



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Mit dem Schulungsgeld vom AMS sind Sie während der Ausbildung finanziell abgesichert. Der Betrag entspricht zumindest Ihrem Arbeitslosgeld oder Ihrer Notstandshilfe und wird unter bestimmten Voraussetzungen aufgestockt.

Zusätzlich erhalten Sie einen Bildungsbonus in Höhe von 4€ pro Tag, wenn Sie Arbeitslosgeld oder Notstandshilfe beziehen, Ihre Ausbildung zumindest vier Monate dauert und noch in diesem Jahr startet.

#### Vorsorge und Sicherheit: Ihre Ausbildung während der COVID-19-Maßnahmen



Das AMS nimmt die Situation um die COVID-19-Pandemie ernst. Deswegen passen wir gemeinsam mit unseren Partnerinstitutionen den Kursbetrieb laufend den gerade erforderlichen Corona-Schutzmaßnahmen an.

Damit Sie gesund bleiben und dennoch Ihre Ausbildung starten können, richtet sich das AMS dabei nach dem Grundsatz:  
**Soviel Distance Learning wie möglich – so viel Präsenzunterricht wie notwendig!**

#### Informieren Sie sich jetzt!

Jetzt informieren unter

**050 904 343**

Sie möchten mehr über Ihre Weiterbildungsmöglichkeiten erfahren oder wünschen sich Unterstützung bei der Wahl Ihrer passenden Ausbildung?

Unsere ExpertInnen der AMS-Weiterbildungshotline stehen Ihnen bei Fragen montags bis donnerstags von 07:30h bis 16:00h und freitags von 07:30h bis 13:00h unter der Nummer **050 904 343** gerne telefonisch zur Verfügung.

Oder Sie schreiben ein [E-Mail](#).

[Homepage](#) [Datenschutz](#) [Abbestellen](#)

Arbeitsmarktservice  
Dienstleistungsmaßnahmen  
des öffentlichen Rechts  
p.A. AMS Niederösterreich  
Hohenstaufengasse 2  
1010 Wien  
Telefon: +43 (0) 50 904 340  
Telefax: +43 (0) 50 904 300-190  
E-Mail

UID: ATU 38908009  
DVR: 4013345  
Bankverbindung:  
BANWAID.PS.K  
IBAN AT39 6000 0000 0600 0839  
BIC:SWIFT BANWAIDTW

Organe  
Alle Bankverbindungen des AMS  
Österreich  
Amtssignatur  
Datenschutzbestimmungen

Figure 3: Newsletter for group 2

Bei Darstellungsproblemen klicken Sie [hier](#).



#### Ihr Weiterbildungsgutschein im Wert von bis zu 15.000,- Euro

Sehr geehrte Damen und Herren,

Nutzen Sie die Chance zum beruflichen Neustart mit einer Qualifizierung im Rahmen der Corona-Joboffensive! Bis zu 15.000,- Euro sind beim AMS Niederösterreich für Ihre zukunftssichere Aus- und Weiterbildung für Sie reserviert.

Finden Sie gemeinsam mit Ihrer AMS-Beraterin oder Ihrem Berater den für Sie richtigen Weg zurück ins Berufsleben und lösen Sie Ihren Weiterbildungsgutschein ein! In diesem Mail zeigen wir Ihnen, wie Ihr beruflicher Neustart gelingen kann.

Nehmen Sie Ihre berufliche Zukunft in die Hand – und bleiben Sie gesund!

Ihr

Sven Hergovich  
Landesgeschäftsführer des AMS Niederösterreich

#### Ihr Gutschein für den Neustart am Arbeitsmarkt



Aktuelle und nachgefragte Qualifikationen sind der wichtigste Erfolgsfaktor für den beruflichen Neustart.

Ob Auffrischkurs für Ihre Fachkenntnisse oder eine Ausbildung mit Lehrabschluss – das AMS Niederösterreich hält eine Vielzahl von Aus- und Weiterbildungsmöglichkeiten für Sie bereit.

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#### Eine Auswahl der Berufsausbildungen, für die das AMS die Kosten übernimmt:

- Mechatronik
- Kälteanlagen-technik
- IT-Systemtechnik, Programmierung/Coding, Applikationsentwickler/in
- Kunststofftechnik
- Restaurantfachkraft, Hotel- und Gastgewerbeassistent/in
- Berufskraftfahrer/in
- Finanz- und Rechnungswesenassistent
- Diplômelehrgang Digitaler Vertrieb
- Pflegeassistent, Pflegefachassistent

Ihr Weiterbildungsgutschein im Wert von bis zu € 15.000,-

#### So finanzieren wir Sie während Ihrer Ausbildung



Mit dem Schulungsgeld vom AMS sind Sie während der Ausbildung finanziell abgesichert. Der Betrag entspricht zumindest Ihrem Arbeitslosgeld oder Ihrer Notstandshilfe und wird unter bestimmten Voraussetzungen aufgestockt.

Zusätzlich erhalten Sie einen Bildungsbonus in Höhe von 4€ pro Tag, wenn Sie Arbeitslosgeld oder Notstandshilfe beziehen. Ihre Ausbildung zumindest vier Monate dauert und noch in diesem Jahr startet.

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#### Vorsorge und Sicherheit: Ihre Ausbildung während der COVID-19-Maßnahmen



Das AMS nimmt die Situation um die COVID-19-Pandemie ernst. Deswegen passen wir gemeinsam mit unseren Partnerbetrieben den Kurbetrieb laufend den gerade erforderlichen Corona-Schutzmaßnahmen an.

Damit Sie gesund bleiben und dennoch Ihre Ausbildung starten können, richtet sich das AMS dabei nach dem Grundsatz:

**Soviel Distance Learning wie möglich – so viel Präsenzunterricht wie notwendig!**

#### Informieren Sie sich jetzt!



Sie möchten mehr über Ihre Weiterbildungsmöglichkeiten erfahren oder wünschen sich Unterstützung bei der Wahl Ihrer passenden Ausbildung?

Unsere ExpertInnen der AMS-Weiterbildungshotline stellen Ihnen bei Fragen montags bis donnerstags von 07:30h bis 16:00h und freitags von 07:30h bis 13:00h unter der Nummer **050 904 343** gerne telefonisch zur Verfügung.

Oder Sie schreiben uns ein [E-Mail](#).

[Homepage](#) [Datenschutz](#) [Abbestellen](#)

Figure 4: Newsletter for group 3

Bei Darstellungsproblemen klicken Sie [hier](#).



### Ihr Weiterbildungsgutschein im Wert von bis zu 15.000,- Euro

Sehr geehrte Damen und Herren,

Nutzen Sie die Chance zum beruflichen Neustart mit einer Qualifizierung im Rahmen der Corona-Joboffensive! Bis zu 15.000,- Euro sind beim AMS Niederösterreich für Ihre zukunftssichere Aus- und Weiterbildung für Sie reserviert.

Finden Sie gemeinsam mit Ihrer AMS-Beraterin oder Ihrem Berater den für Sie richtigen Weg zurück ins Berufsleben und lösen Sie Ihren Weiterbildungsgutschein ein! In diesem Mail zeigen wir Ihnen, wie Ihr beruflicher Neustart gelingen kann.

Nehmen Sie Ihre berufliche Zukunft in die Hand - und bleiben Sie gesund!

Ihr

Sven Hergovich  
Landesgeschäftsführer des AMS Niederösterreich

### Ihr Gutschein für eine Aus- und Weiterbildung mit Jobgarantie



Aktuelle und nachgefragte Qualifikationen sind der wichtigste Erfolgsfaktor für den beruflichen Neustart.

Ob Auffrischkurs für Ihre Fachkenntnisse oder eine Ausbildung mit Lehrabschluss - das AMS Niederösterreich hält eine Vielzahl von Aus- und Weiterbildungsmöglichkeiten für Sie bereit.

Mit hochwertigen Ausbildungen in nachgefragten Berufen, verbessern Sie wesentlich Ihre Chancen auf einen sicheren Arbeitsplatz.

### Eine Auswahl der Berufsausbildungen, für die das AMS die Kosten übernimmt:

- Mechatronik
- Kälteanlagen-technik
- IT-Systemtechnik, Programmieren/Coding, Applikationsentwickler/in
- Kunststofftechnik
- Restaurantfachkraft, Hotel- und Gastgewerbeassistent/in
- Berufskraftfahrer/in
- Finanz- und Rechnungswesenassistent
- Diplomelehrgang Digitaler Vertrieb
- Pflegeassistent, Pflegefachassistent

Ergreifen Sie die Chance und finden Sie gemeinsam mit unseren Expertinnen und Experten Ihren persönlichen Weg zum beruflichen Neustart. Mit Ihrem persönlichen Weiterbildungsgutschein verschaffen Sie sich einen wertvollen Startvorteil.

Ihr Weiterbildungsgutschein im Wert von bis zu € 15.000,-

### Die aktuellen Top Jobs am niederösterreichischen Arbeitsmarkt

- **Elektroinstallateur(e)Innen, -monteur(e)Innen**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **343**
- **Digit. Krankenpfleger, -schwestern**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **229**
- **Kraftfahrer/Innen (alle Bereiche)**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **228**
- **Maurer/Innen**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **170**
- **Techniker/Innen für Datenverarbeitung**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **159**
- **Rohrinstallateur(e)Innen, -monteur(e)Innen**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **157**
- **Hotel- und Gaststättenberufe**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **132**
- **Techniker/Innen für Maschinenbau**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **117**
- **Pflegeassistent/in**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **110**
- **Medizinisch-technische Fachkräfte (m./w.)**  
beim AMS NÖ gemeldete offene Stellen im Jänner: **81**

### So finanzieren wir Sie während Ihrer Ausbildung



Mit dem Schulungsgeld vom AMS Sie sind während der Ausbildung finanziell abgesichert. Der Betrag entspricht zumindest Ihrem Arbeitslosengeld oder Ihrer Notstandshilfe und wird unter bestimmten Voraussetzungen aufgestockt.

Zusätzlich erhalten Sie einen Bildungsbonus in Höhe von 4€ pro Tag, wenn Sie Arbeitslosengeld oder Notstandshilfe beziehen, Ihre Ausbildung zumindest vier Monate dauert und noch in diesem Jahr startet.

### Vorsorge und Sicherheit: Ihre Ausbildung während der COVID-19-Maßnahmen

Figure 5: Newsletter for group 4