

Impact of working remotely on social wellbeing and productivity

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This study explores how remote work affects productivity, social well-being, and job satisfaction. Using the 2020 NSW Remote Working Survey, we applied descriptive statistics and correlation analysis to quantify attitudes toward remote work. Findings show mixed productivity outcomes: most employees report gains up to 50%, fewer others declines. Collaboration indicators remain neutral, while reduced commuting significantly increases personal and family time, supporting better work-life balance. Most respondents prefer more remote work, suggesting higher satisfaction overall. Limitations include self-reported data and cross-sectional design. Results indicate organizations should maintain flexible work arrangements and support social engagement strategies.

Introduction

Project Goals

Our objective in this project is to understand how remote work, following the COVID-19 pandemic, has changed firms' work practices. During this period, many companies had no choice but to adopt remote working practices, reshaping traditional work environments. The main goal is to analyze how working remotely influences people's mental health, job satisfaction, and performance levels. Using accurate data from the Remote Working Survey (2020), we want to explore factors such as communication satisfaction, work-life balance, social connection, and productivity outcomes, in order to understand whether remote work affects employees positively or negatively. By converting survey responses into numerical values, we can quantify attitudes toward remote work and compare groups such as gender, age, or employment type.

As we began working with the dataset, we refined our focus on the social and psychological dimensions of remote work. To make the analysis easier to interpret, we also transformed

qualitative survey responses into numerical values. And, in addition, we removed categories with very small sample sizes to keep the dataset consistent and avoid unreliable comparisons.

Research Questions

- How does remote work influence employees' overall productivity?
- How does remote working affect employees' ability to maintain social connections and avoid feelings of isolation?
- Has job satisfaction decreased or increased as a result of remote working conditions?
- Which factors contribute the most to employees' overall satisfaction with remote work?

Related Work

In this section, we discuss the main academic studies, methods, and resources that guided our analysis of remote work and well-being.

Domain literature

A lot of studies have looked at how remote work affects people's productivity, well-being, and social life, which helps us understand the context of our own project.

For example, a systematic review by Oakman et al. (2022) showed that working from home can improve productivity and work-life balance, but it can also lead to more isolation, communication problems, and mental stress. These points match the variables we analyze in our dataset, such as job satisfaction, social connection, and communication quality. Another study by Correia et al. (2024) investigated how research on remote workers has evolved over the years. They found that psychological factors like loneliness, emotional pressure, and reduced social interaction are becoming increasingly important in academic discussions. This supports our decision to focus mainly on the social and psychological side of remote work instead of technical aspects.

Finally, a well-known experiment by Bloom et al. (2013) showed that remote work can significantly improve productivity when employees have clear structures and good communication with their team. This connects directly to our analysis, since we also look at collaboration, communication, and satisfaction using the Remote Working Survey (2020). Overall, these studies confirm that the social, psychological, and performance-related impacts of remote work are important topics to explore, and they strongly support the research questions we chose for our project.

Methodological references

For our project, we used a few common data-science methods that are usually applied in survey analysis. We started with simple descriptive statistics to get a first idea of the patterns in the data, things like averages, proportions, and basic comparisons between groups. We

also looked at correlations to see how different variables are related, for example whether good communication or social well-being is linked to higher productivity. Since many of our questions were answered with text options (like “strongly agree”), we converted these answers into numbers using standard Likert-scale coding so that we could analyze them properly.

On the technical side, we followed the Python methods shown in Azizi (2025), which helped us clean the data and structure our exploratory analysis in Google Colab. We mainly used pandas for organizing and transforming the dataset (following McKinney, 2022), and matplotlib/seaborn to create the visualizations with the help of VanderPlas, 2016. These tools and references guided our process and helped us follow good data-science practices while analyzing the Remote Working Survey (2020).

Course material

The structure of our project is inspired by the material used in class, especially the DSAS notes from Azizi (2025). These resources helped us understand how to organize our data analysis, clean our dataset, and apply basic Python techniques in Google Colab. With that said, we used the same approach shown in the course for tasks like loading data, creating new variables, handling missing values, and running exploratory data analysis. The examples provided in the course made it easier for us to use tools like pandas, matplotlib, and seaborn in a consistent way throughout the project.

Technical resources

On the technical side, we mainly relied on a few well-known Python resources to help us structure and run our analysis. McKinney’s book (2022) guided us with all the pandas-related tasks, such as cleaning the dataset, creating new variables, and handling missing values. We also used matplotlib and seaborn to create readable plots for our visualizations by following VanderPlas’s (2016) explanations.

Data

Sources

The dataset used in this project is the 2020 Remote Working Survey, part of the NSW Remote Working Survey series, publicly available through the New South Wales Government’s Open Data Portal. “Data source: [Remote working survey 2020](#)” The 2020 survey was conducted during August and September 2020 and aimed to understand workers experiences and attitudes toward remote and hybrid working following the first phase of the COVID-19 pandemic to study the impact of remote work on professional and personal well-being.

To be eligible, respondents had to:

- be employed NSW residents

- have experience of remote working in their current job. After excluding unemployed individuals and those whose occupations cannot be performed remotely (dentists, cashiers, cleaners), the sample represents approximately 59% of NSW workers.

This dataset is the 2020 wave of the survey. A second wave was collected in March and April 2021. For the present analysis, only the 2020 dataset is being processed and explored. Once the analysis of this wave is finalized, it will be possible to extend the project by including and comparing the 2021 dataset to identify how remote work patterns evolved over time.

Description

The cleaned 2020 NSW Remote Working Survey dataset contains four main types of variables: categorical, ordinal, numeric, and binary.

- The categorical variables describe qualitative characteristics of respondents and their employment context, such as Industry, Job_type, Organisation_Size, Household, and Years_in_job. These variables are stored as text and provide context for grouping and comparison across sectors or demographic profiles.
- The ordinal variables represent ordered responses on Likert scales, reflecting opinions and perceptions about remote working. Variables such as Org_encouraged_remote_last_year, Collaboration_remote_last_year, Org_encouraged_remote_3_months, and Collaboration_remote_3_months are encoded numerically from 1 (“Strongly disagree”) to 5 (“Strongly agree”), allowing for quantitative analysis of attitudes.
- The numeric variables capture measurable quantities including time allocation, remote work proportions, and productivity. Examples include Age, Remote_pct_last_year, Preferred_remote_last_year, Productivity_remote_vs_workplace, and several variables representing hours spent on commuting, working, and personal or domestic activities. These are stored as integers or floats, making them suitable for descriptive statistics and correlation analysis.
- The binary variables (Gender, Managing_position) indicate Male/Femal or Yes/No conditions, encoded as 0 and 1. These variables enable comparisons between distinct groups.

The dataset also contains several important pieces of metadata that ensure its quality and usability for analysis. Each observation is identified by a unique respondent code (Response_ID), which guarantees traceability and prevents duplication during data processing.

In addition, all variable names were standardized to concise, descriptive identifiers (Org_encouraged_remote_last_year) to make the variables easier to read, reuse, and analyze in statistical software. This naming convention makes the analysis process simpler and clearer throughout the project.

Dataset Overview Template

- **File used:** 2020_rws-updated.csv
- **Format:** CSV (comma-separated values)
- **Encoding:** latin-1 (ISO-8859-1) (Remark: when loading the dataset in Python (Google Colab), attempting to read with utf-8 caused a UnicodeDecodeError due to typographic apostrophes and special characters. The correct parameter encoding latin1 was required to successfully load the data.)
- **Memory usage:** approximately 7.46 MB
- **Number of observations:** 1507 respondents (1370 rows after cleaning)
- **Number of variables:** 73 columns (25 after cleaning)
- **Time period:** August and September 2020
- **Geographic coverage:** New South Wales, Australia
- **Key variables:** Gender, Age, Job_type, Organisation_Size, Managing_position, Remote_pct_last_year, Preferred_remote_last_year, Org_encouraged_remote_last_year, Collaboration_remote_last_year, Productivity_remote_vs_workplace

Loading Data

Following best practices, the file is loaded using a relative path via project_root, ensuring that the document remains fully reproducible regardless of the execution location. Because the original file contained specific typographic characters that caused decoding issues during import, the dataset is read using the latin-1 encoding.

After loading the file, several checks were performed to confirm correct import: verification of the dataset dimensions, inspection of column names and data types (df.info()), preview of the first rows to ensure values were properly formatted. These steps guarantee that the dataset is correctly imported and ready for subsequent exploratory analysis.

Dataset shape: 1507 rows × 73 columns

Data types:

Response ID

What year were you born?

What is your gender?

Which of the following best describes your industry?

Which of the following best describes your industry? (Detailed)

Compare remote working to working at your employer's workplace. Select the worst aspect of remote working.
life balance ; My on-the-job learning opportunities ; Managing my personal commitments ; My daily expenses
Compare remote working to working at your employer's workplace. Select the best aspect of remote working.
life balance ; My on-the-job learning opportunities ; My daily expenses ; My personal relationships
Compare remote working to working at your employer's workplace. Select the worst aspect of remote working.
life balance ; My on-the-job learning opportunities ; My daily expenses ; My personal relationships
Compare remote working to working at your employer's workplace. Select the best aspect of remote working.
Length: 73, dtype: object

First 5 rows:

Response ID	What year were you born?	What is your gender?	Which of the following best describes your industry?
0 1	1972	Female	Manufacturing
1 2	1972	Male	Wholesale Trade
2 3	1982	Male	Electricity, Gas, Water and Waste Services
3 4	1987	Female	Professional, Scientific and Technical Services
4 5	1991	Male	Transport, Postal and Warehousing

Wrangling

General Transformations

Several preprocessing and wrangling steps were performed to prepare the dataset for analysis. Before detailing each transformation,

All preprocessing steps described below are fully reproducible and validated. Each transformation relies on deterministic Python operations (such as `replace()`, `rename()`, `astype()`, or simple arithmetic), meaning that re-running the same code on the raw dataset will always produce identical results. After every transformation, checks such as `head()`, `value_counts()`, or `describe()` were used to validate that the modifications were correctly applied and that the resulting values were coherent (age ranges, Likert scales, or percentage conversions).

Variable Duplicated

Before any transformation, it is essential to verify that each observation in the dataset is unique. Duplicate rows can bias the analysis by over representing certain respondents or records. Identifying and removing them ensures data integrity.

This operation can be rerun on the raw dataset at any stage of the workflow, guaranteeing consistent detection of duplicated records. The command returned an empty DataFrame, confirming that no duplicate rows were present. Therefore, no observations were removed in this step.

Rename Columns

Renaming the original survey questions into shorter and clearer variable names was necessary to improve readability and make the dataset easier to work with.

Standard Name Organisation Size

The Organisation_Size variable was recoded by replacing the long original text categories with shorter, standardised. To make grouping and comparison more intuitive.

Binary Variables

The variables Gender and Managing_position, the original text responses were converted into binary categories to make them suitable for statistical analysis and group comparisons. Respondents who selected “Rather not say” for gender were removed, as this category represented only two individuals and could not form a meaningful subgroup. Gender was then encoded as 0 = Male and 1 = Female, while Managing_position was encoded as 0 = No and 1 = Yes, indicating whether the respondent supervises others. This transformation produces clean, consistent, and analysis-ready binary variables that can be easily used in descriptive statistics, visualisations, and modelling.

Variable Ages

The variable Age, the dataset originally reported the respondent’s year of birth. This information was converted into a more interpretable age variable by subtracting the birth year from 2020, the year the survey was conducted. For example, a respondent born in 1985 becomes $2020 - 1985 = 35$ years old. Expressing this information directly as age is more intuitive and easier to interpret in descriptive statistics, comparisons, and visualizations.

Variable Years in Job

The variable Years_in_job, the original responses were long text categories describing tenure intervals. These were simplified into shorter and more readable labels: “5+”, “5-”, and “1-”. This transformation keeps the original meaning while making the variable easier to interpret, compare, and visualise in tables and plots.

Variable Likert Scale Mapping

The Likert-scale variables, this transformation allows these subjective perceptions to be analysed quantitatively. The four variables related to organisational support and collaboration were mapped using this scale. Any missing responses were replaced with the neutral value 3, corresponding to “Neither agree nor disagree”, to keep these observations in the dataset while avoiding bias from missing attitudes.

Variables Working Remotely

The variables describing the percentage of time spent or preferred working remotely, the original responses (“Less than 10% of my time”... “100% - All of my time”). These were first converted into numeric percentage values using a mapping dictionary. All four percentage-related variables were processed in the same way. Before applying the mapping, non-breaking spaces () and extra whitespace were removed from the strings to avoid parsing issues. After the text values were mapped to numeric percentages (“80%” → 80), the values were converted into proportions between 0 and 1 by dividing by 100.

For example: 80 becomes 0.80 50 becomes 0.50 0 becomes 0.00

This final step creates clean numerical variables that can be easily averaged, compared, or visualised in the analysis.

Variables Productivity Cleaning

The variable Productivity_remote_vs_workplace, the survey responses (I’m 20% more productive when I work remotely” or “I’m 10% less productive”). These text responses were converted into clean numeric values using a custom parsing function. The mapping works as follows: Statements indicating more productive remotely return a positive percentage (“20% more productive” → +20). Statements indicating less productive remotely return a negative percentage (“10% less productive” → -10). Statements indicating no difference return 0. This transformation results in a numeric scale where positive values mean higher productivity when working remotely, negative values reflect lower productivity, and zero indicates no change. This allows the variable to be analysed quantitatively, averaged across groups, or used in visualisations.

Spotting Mistakes and Missing Data

Before conducting the analysis, the dataset was reviewed to identify missing values, inconsistencies, and unusually small categories. This ensures that only reliable and interpretable data are used in the following steps.

Identified missing data

- Most variables contained very few missing values, mainly in attitudinal questions where some respondents simply did not answer.
- Additional missingness appeared when converting textual inputs (percentages or productivity statements) into numeric formats, entries that could not be parsed were intentionally converted to NaN.
- The inspection of category sizes showed that some groups were extremely small, such as the “Rather not say” gender category (2 respondents), which was removed because it cannot support meaningful analysis.

Approach to handling missing data

- Deletion was applied when missingness or category size was extremely small and analytically useless.
- Imputation with a neutral value (3 = Neither agree nor disagree) was used for missing Likert-scale answers to preserve observations without creating bias.
- Conversion to numeric with errors=“coerce” was used for percentage and productivity variables, producing valid NaN values when entries could not be interpreted.

Because missingness was limited and mostly isolated to subjective questions, more complex methods were not necessary.

Future handling of small or irrelevant categories

- If additional categories, during the analysis progress, are found to be too small to contribute meaningfully, they will be removed, flagged, or when conceptually appropriate grouped together with similar categories to preserve statistical power.

Future variable selection

- Some variables will ultimately explain the effects of remote work on health, productivity, or work life balance better than others. Variables that show no meaningful correlation or explanatory power in later stages of the project will also be removed to keep the analysis focused, interpretable, and relevant.

Listing Anomalies and Outliers

A detailed inspection of the numeric variables, using both summary statistics and histogram visualisations, revealed several anomalies and potential outliers in the dataset.

Detected anomalies

- Age variable: Two respondents appear with an age of 120 years, which is biologically impossible and indicates a clear data entry error. This type of anomaly commonly occurs when the birth year is mistyped—for example, entering 1900 instead of 2000, or 2005 instead of 1920—which produces unrealistic age values. These observations will therefore be removed, while other extreme but plausible ages (such as 75 or 83) are retained at this stage. The minimum value (19) is plausible for entry-level workers.
- Domestic_hours_workplace: A single observation of -1 hour is impossible and indicates a recording error.
- Working and commuting time variables: Extremely high records were observed, such as 23 hours of work in a day or 10–12 hours of commuting.

While unlikely, these may represent exceptional cases (long-distance travel, extended shifts). They are retained unless later analysis shows they distort results.

- Commute_hours_remote: Values up to 12 hours on remote days are implausible and likely due to misinterpretation or input mistakes.
- Productivity variable: Extreme values (+50%, -50%) appear in the data but remain plausible since the question explicitly asked respondents to report percentage differences.

Approach to handling outliers

- Outliers were evaluated using:
 - Visual inspection (histograms from univariate EDA)
 - Summary statistics (min/max, interquartile ranges)
 - Domain knowledge (negative hours, impossible ages)
- Following best practices
 - Impossible values (age = 120, domestic hours = -1) will be removed before modelling.
 - Extreme but plausible behaviours (very long workdays) are kept unless they later bias model results.
 - Additional outliers identified during the analysis phase may be removed, flagged, or grouped depending on their relevance and impact.

Outliers are not always errors; some reveal meaningful variability in remote work habits. The chosen approach maintains data integrity while ensuring that the analysis focuses on realistic, interpretable patterns.

The following EDA sections will further analyse these variables to understand their patterns and relationships.

EDA

Univariate Analysis

Examine each variable individually to understand its distribution, central tendency, and spread.

From this code we got the full results of all our variables in terms of distribution sorted by occurrence. The relevant information we gathered from these are the followings:

--- Age ---

Age	
35	47
56	47
60	45
50	44
30	43
59	43
42	43
49	40
40	39
55	38
43	38
54	37
33	37
58	37
57	36
51	36
32	36
31	36
47	35
45	35
52	34
48	34
63	33
36	33
61	32
34	32
44	30
53	30
39	28
37	28
46	27
38	26
64	26
62	26
29	24
41	24
25	21
28	18
26	13
27	12

```
24      11
65      9
20      8
23      7
22      6
120     2
21      1
83      1
75      1
19      1
Name: count, dtype: int64
```

- Age: we have some outliers for the age variable with 2 people 120 years old that needs to be treated

```
--- Gender ---
Gender
0      766
1      604
Name: count, dtype: int64
```

- Gender: good balance ($604 / (604+766) = 44\%$ of women)

```
--- Years_in_job ---
Years_in_job
5+    725
5-    494
1-    151
Name: count, dtype: int64
```

- Years in job: sample is quite experienced with only 11% with less than 1 year of experience.

```
--- Productivity_remote_vs_workplace ---
Productivity_remote_vs_workplace
0      400
50     199
20     191
30     173
10     91
```

```
-20      85
-10      85
 40      74
-30      40
-50      26
-40       6
Name: count, dtype: int64
```

- Productivity remote vs workplace: we can see that for most of them productivity is either equivalent, or they even gained in productivity (46% gained between 20 to 50% of productivity).

Distribution Plot

Concretely, if we look at the distribution of the change in productivity with this code :

```
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```

```
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```

```
Skewness change in productivity:
-0.1398603974975266
```

The histogram we obtain from the code shows an important part of 0 meaning for a lot of people working remotely doesn't affect their productivity. Looking at the skewness (-0.13), we can deduce that data is significantly more on the right of the graph, meaning that people are more productive being at home for work.

Bivariate Analysis

```
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```

In this Violin plot, we can understand that the change in productivity is not really influenced by the size of the company. Nevertheless, we can observe for small enterprises that a negative change in productivity is even rarer. We can guess that people in small businesses don't depend too much on working with peers and with teams, so going to the workplace is less necessary than in big companies and communications facilitated.

```
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```

We wanted to look at the distribution of the managing positions based on the gender and we could see that almost 60% of men are managers compared to only 40% for women so this is factored to take into consideration when giving conclusions.

Correlation/Multivariate Analysis

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Unable to display output for mime type(s): text/html

can see on those 2 pie charts representing the distribution of the day based on the time in hours working, commuting, for personnal and family, and domestic. We can see that the time of work is sensibly the same for remote and workplace (50% compared to 48.8%). What is important here is to see that time to commute is divided by 3 when remote working so it gives more time for domestic and personnal/family time going from 39.6% of your day to 46%. This difference shows a better work/life balance for employees when remotely working. This could affect mental health positively.

To test correlation we put the percentage of remote work with the change of productivity.

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We can see here a positive correlation which infers that when you spend more time remotely your productivity rises. In causality it could be interpreted as a good signal. But the coefficient is of 0.14 so a low positive correlation.

Key Findings

Methods

! Interpretation is Essential!

After showing model results, you **must interpret them**:

Example interpretation:

“The Poisson regression model identifies three significant predictors of insurance claim frequency. Vehicle age shows a positive coefficient ($\beta = 0.08$, $p < 0.01$), indicating that each additional year of vehicle age increases expected claims by approximately 8%. Driver age has a negative coefficient ($\beta = -0.02$, $p < 0.001$), meaning older drivers file fewer claims. The urban location dummy variable ($\beta = 0.15$, $p < 0.05$) suggests urban drivers have 15% higher claim rates than rural drivers.

However, the model's pseudo-R² of 0.22 indicates that these predictors explain only 22% of claim variation. Unobserved factors like driving behavior, road conditions, and individual risk tolerance likely account for the remaining variation. This suggests that while demographic variables are useful for pricing, insurers should not rely solely on them for risk assessment."

Remember: Model output without interpretation demonstrates technical skills but not understanding!

Findings and Discussion

Provide your results or observations from applying statistical methods, then **discuss them thoroughly** in the context of your research questions and project goals.

Example: "Our regression analysis shows that experience significantly predicts performance ($\beta = 0.01$, $p < 0.001$), supporting our hypothesis that skill develops over time. This aligns with learning curve theory in organizational psychology and suggests that training programs should emphasize sustained practice. However, the wide confidence interval (95% CI: [0.005, 0.015]) indicates substantial individual variation, meaning experience alone cannot guarantee high performance."

Conclusion

Summary

In this project, we analyzed how remote work affects employees' productivity, social well-being, and job satisfaction using the Remote Working Survey (2020), which includes 1,507 respondents. We investigated our four research questions using descriptive statistics, visualizations, and correlation analysis after cleaning the dataset and translating qualitative responses into numerical values. Our results show that the effect of remote work on productivity is highly heterogeneous. While many respondents reported no change, the productivity distribution displayed a slight negative skew (-0.13), meaning productivity gains were more common than losses. Productivity did not vary significantly by organisation size, and the correlation between remote-work percentage and productivity change was positive but weak ($r = 0.14$), suggesting that working remotely more often is associated with a small increase in perceived productivity.

The clearest pattern we found was the improvement in work-life balance. Remote work nearly eliminated commuting time, and our comparison showed that personal and family time increased from 39.6% to 46% of the day on average when employees worked from home. This extra time probably improved mental health and could be responsible for the overall high desire for remote work. Indicators of collaboration and connection on the social side were centered

around neutral responses, showing that employees' feeling of social connection was neither greatly improved nor harmed by distant work. Overall, our research indicates that working remotely can boost well-being and productivity, mainly through time savings and better daily time management, but its effects on social interaction seem to be less clear. These findings help us better understand how employees' lives are shaped by remote work and directly address the objectives of our project.

Limitations

Although our project provides meaningful insights, it also has several limitations that should be acknowledged. First, the dataset comes from a single region (New South Wales, Australia) and only reflects the year 2020, when remote work was still relatively new due to the COVID-19 pandemic. This context may not represent long-term or post-pandemic habits, which limits how generalizable our findings are to other geographic areas, industries, or years. The data also contained several extreme outliers (for example, two respondents aged 120), as well as categories with very small sample sizes such as "rather not say" for gender. We removed these categories to avoid inconsistent comparisons, but doing so slightly reduces the diversity of our sample.

Comparative Analysis of the Impact of COVID-19 (United States, India, France, Brazil, Australia)

The comparative analysis highlights substantial disparities in the evolution and impact of the COVID-19 pandemic across the five selected countries. The United States records the highest number of total cases, followed by India, France, and Brazil, whereas Australia clearly stands out with a significantly lower number of reported infections. With respect to mortality, a similar pattern is observed. The United States and Brazil exhibit the highest death tolls among the sample, while France occupies an intermediate position. In contrast, Australia displays a markedly lower mortality level, indicating a comparatively limited health impact of the pandemic. The analysis of active cases, defined as the number of individuals currently infected (total cases minus recoveries and deaths), reveals that active infections remained relatively high in the United States and Brazil at the time of data collection. Interpretation of the Australian Case Based on our interpretation of the graphical results, Australia appears to have been relatively less affected by the COVID-19 pandemic, particularly in terms of mortality and active infections. Several structural and geographical factors may help explain this outcome. First, Australia has a comparatively younger population, and younger age groups were statistically less exposed to severe forms of the disease. Furthermore, the country is characterized by a large territory combined with a low population density, which naturally limits close interpersonal contact and reduces the speed of viral transmission. In addition, Australia's geographical isolation likely delayed the initial introduction of the virus and facilitated the implementation of strict border control measures, which played a critical role during the early stages of the pandemic. Finally, early public health interventions and the overall efficiency of the healthcare system may also have contributed to limiting severe cases and fatalities.

From a methodological standpoint, our study mostly uses correlation analysis and descriptive statistics, which help in finding patterns but cannot allow us to prove causation. For example, even if we discovered a slight positive correlation ($r = 0.14$) between the percentage of remote work and productivity change, this does not show that remote work raises productivity. These results could be impacted by additional unobserved factors including home environment, digital technologies, management assistance, or individual preferences. In addition, a number of important factors such as productivity, teamwork, and satisfaction are self-reported, which may create bias because workers may exaggerate or understate their experiences.

Future Work

- **Extend dataset:** “Include the 2021 wave of the Remote Working Survey and perform longitudinal comparisons to track changes over time.”
- **Enhance analytical approach:** “Use advanced statistical models like multiple regression to identify key predictors of productivity and satisfaction.”
- **Broaden contextual factors:** “Add variables on digital tools, communication habits, and mental health indicators for richer insights.”
- **Integrate mixed data types:** “Combine quantitative survey data with qualitative responses to capture nuanced experiences of remote work in other regions not only Australia.”

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What Goes in Appendices?

Appendix A: Additional Exploratory Plots

Appendix B: Complete Code Listings

Appendix C: Supplementary Tables