

Driving Test Pass Rates in the UK: Data Analysis

Yifei Bi and Chen Yang*

September 18, 2022

1 Summary

There are around 1.5 million people taking their car driving test every year in more than 300 test centres in the UK. In this paper, we visualize and analyse the car driving test pass rate data released by the Driver and Vehicle Standards Agency (DVSA)¹. These data files consist of pass rate information grouped by test centre, gender, testing month, ethnicity, etc. The main findings of this paper:

1. The average pass rate (car driving test) is **49.88% for males** and **43.38% for females**.
2. In 2020 (Covid-19), the total number of candidates decreased by **72.74%** compared with 2019.
3. The Top 5 test center with the highest pass rates: Kendal (Oxenholme Road) with 63.93%, Malton, Dorchester, Kendal, and Lampeter.²
4. The Top 5 test centers with the highest first attempt pass rate: Llandrindod Wells with 69.40%, Malton, Kendal (Oxenholme Road), Dorchester, and Kendal.
5. The lucky month for driving test is **August**, with 47.23% candidate passed in this month from 2007 to 2021³.
6. **White candidates** have the highest pass rates and **black candidates** have the lowest pass rates.
7. Candidates using automatic cars have lower pass rate than average.

2 Data Description

Table 1 lists the data files released by the DVSA. The “car driving test pass rates by gender” file is updated every three month since April 2007. It shows car driving test pass rates by gender for every driving test centre by month. The “car driving test pass rates by first attempt at the test” file is updated annually since 2007. It shows car driving test pass rates by first attempt for every driving centre. The “car pass rates

*Yifei is with Surrey Business School. Chen (corresponding author, E-mail: chenyangfinance@gmail.com) is with Durham University Business School. The data used in this paper is from DVSA’s open-access files. Data analysis tools are Python (Pandas and Plotly) and Excel. The replication code can be found on Chen’s Github page https://github.com/chenyangfinance/uk_driving_test_paper. All errors are our own.

¹Car driving test data by test centre, available at: <http://www.gov.uk/government/statistical-data-sets/car-driving-test-data-by-test-centre>

²To rule out the effect of those very small test centers with extremely high pass rates, the luckiest test centers only rank test centres serviced more than 100,000 candidates totally from 2007 to 2021.

³But if we only look at recent data from 2018 to 2021, the luckiest month for male is April.

by ethnicity of candidate, year and test centre” file is updated annually since 2007. It presents car driving test pass rates by ethnicity for every test centre by year. The ”Automatic car pass rates by gender and test centre” file is updated annually since 2007. It presents automatic car driving test pass rates by gender for every driving test centre by year. The “car driving test pass rates by age” file is updated annually since 2007. It shows car driving test pass rates by age for every driving test centre by year. As it only include 17-25 years old candidates, we do not include this file in our analysis. The DVSA also has a “car driving test cancellation reasons by test centre” file (File 5) and ”Car and trailer pass rates by gender and test centre” (File 7), which are, however, not in the scope of this paper. In the case of data validity, the DVSA notes on their website that ”it is not classed as an ‘official statistic’. This means it’s not subject to scrutiny and assessment by the UK Statistics Authority.”

Table 1: DVSA Data Files (Used Files Marked in Blue)

No.	File Name	Ref.
1.	Car pass rates by gender, month and test centre	DVSA0201
2.	Car pass rates by first driving attempt, gender and test centre, including zero faults record	DVSA1202
3.	Car pass rates by age (17 to 25 year olds), year and test centre	DVSA1203
4.	Car pass rates by ethnicity of candidate, year and test centre	DVSA1204
5.	Car driving test cancellation reasons by test centre	DVSA1205
6.	Automatic car pass rates by gender and test centre	DVSA1206
7.	Car and trailer pass rates by gender and test centre	DVSA0221

Based on File 1, Table 2 reports the number of candidates (*Conducted*), the number of passed candidates (*Passed*), and pass rates from 2007 to 2021.⁴ Except for Year 2021, the number of female candidates is higher than the number of male candidates. While the pass rate of male candidates (49.88%) is 6.5% higher than female candidates (43.38%). The overall pass rate for all candidates is 46.51%. In a more recent period, i.e., 2017-2021, the average pass rate is 50.27% for male, 44.04% for female and 47.07% for all candidates.

Table 2: UK Driving Test Pass Rates from 2007 to 2021

Year	Male			Female			Total		
	Conducted	Passes	%	Conducted	Passes	%	Conducted	Passes	%
2007/08	865,614	409,329	47.29	896,341	369,798	41.26	1,762,363	779,317	44.22
2008/09	849,997	413,160	48.61	888,942	374,462	42.12	1,739,257	787,760	45.29
2009/10	753,838	370,148	49.10	780,087	333,805	42.79	1,534,039	703,994	45.89
2010/11	772,537	383,405	49.63	833,035	360,637	43.29	1,605,599	744,044	46.34
2011/12	744,487	374,472	50.30	824,572	361,685	43.86	1,569,069	736,158	46.92
2012/13	682,699	345,599	50.62	753,774	331,653	44.00	1,436,481	677,255	47.15
2013/14	706,757	358,143	50.67	770,823	337,436	43.78	1,477,585	695,580	47.08
2014/15	733,161	370,343	50.51	799,341	348,367	43.58	1,532,504	718,711	46.90
2015/16	736,261	372,777	50.63	801,472	350,667	43.75	1,537,735	723,444	47.05
2016/17	826,085	417,879	50.59	904,843	397,286	43.91	1,730,936	815,168	47.09
2017/18	803,464	402,005	50.03	915,051	393,885	43.05	1,718,519	795,892	46.31
2018/19	779,980	386,889	49.60	884,238	375,082	42.42	1,664,219	761,972	45.79
2019/20	762,303	378,034	49.59	837,193	356,542	42.59	1,599,566	734,600	45.92
2020/21	217,437	114,140	52.50	218,514	102,858	47.10	436,044	217,031	49.80
2021/22	791,286	403,209	50.96	746,650	348,578	46.69	1,538,314	751,914	48.88
Sum	11,025,906	5,499,532	49.88	11,854,876	5,142,741	43.38	22,882,230	10,642,840	46.51

⁴The DVSA report is not based on calendar years (e.g., 2017) but the survey year (i.e., 2017/2018) See the first column of Table 1.

Figure 1 illustrates the change of the number of candidates from 2007 to 2021. To simplify the figure, I use calendar years on the y-axis rather than the survey year (e.g., 2017/2018 in Table 2). Before 2019, the total number of candidates is relatively stable within the range 1.4-1.8 million every year. In 2020, the Covid-19 pandemic had a enormous shock on the number of candidates taking driving test. The DVSA suspend most of the services in lockdown, March 2020 (DVSA Annual Review 2020-2021). Also, the spread of the virus could prevent candidates from taking tests due to health concerns (e.g., Stavrinou et al., 2020). As a result, the total number of candidates decreased by 72.74% in 2020 comparing with the number in 2019 (1,599,566 candidates). However, the number of candidates rebounded greatly from the pandemic in 2021, reaching a similar level as 2019. As of 2021-2022, the total number of candidates is 1,538,314.

Figure 2 illustrates the change of pass rates from 2007 to 2021. The overall pass rate has a U-shape change before 2020. In 2007, the overall pass rate is 44.2%. The overall pass rate reached its peak at 47.2% in 2012 and decreased slightly afterwards. It is interesting that the Covid-19 period, i.e., Year 2020, speaks surprisingly for the lowest number of candidates but highest pass rate (49.80% overall, 52.50% for males, and 47.10% for females). In 2021, the pass rate falls back to 48.88% from the abnormally high number in 2020.

Figure 1: Number of Candidates from 2007 to 2021

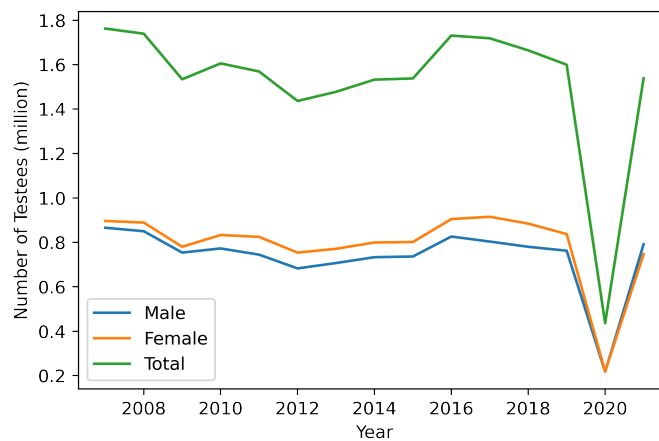
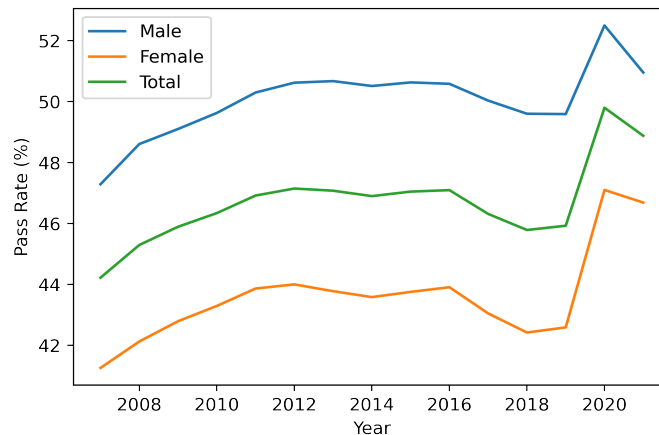


Figure 2: Driving Test Pass Rates from 2007 to 2021



3 Pass Rates by City and Test Centre

Driving test pass rates vary greatly and interestingly across cities and test centers. For example, in big cities like London and Birmingham, the pass rates are usually under 40% for all test centres there. But in small towns like Durham, the pass rates are averagely more than 50%. This section discusses the varying of pass rates in different test centres and cities.

Table 3: The Busiest and Luckiest Test Centres in the UK

Busiest Test Centres				Luckiest Test Centres		
Rank	Test Centre	Num.	Pass Rate	Test Centre	Num.	Pass Rate
1.	Goodmayes (London)	237,728	38.67%	Kendal (Oxenholme Road)	14,152	63.93%
2.	Reading	165,669	47.56%	Malton	11,869	63.91%
3.	Birmingham (Kingstanding)	150,639	36.83%	Dorchester	52,076	62.51%
4.	Luton	140,615	39.01%	Kendal	15,303	62.17%
5.	Middlesbrough	137,157	49.29%	Lampeter	10,286	60.76%
6.	Oxford (Cowley)	130,726	48.89%	Brecon	14,673	60.36%
7.	Pinner (London)	129,942	44.72%	Pwllheli	10,844	60.15%
8.	Horsforth	128,981	44.52%	Durham	70,126	59.79%
9.	Birmingham (Garretts Green)	126,098	39.66%	Peterhead	15,860	59.75%
10.	Birmingham (South Yardley)	123,038	35.17%	Alnwick	10,556	59.11%

Table 3 presents the busiest test centres (i.e., with the highest number of candidates from 2007 to 2021) and the luckiest test centres (i.e., with the highest pass rate) in the UK. To rule out the effect of those very small test centers with extremely high pass rates⁵, the luckiest test centers only rank test centres serviced more than 100,000 candidates totally from 2007 to 2021. The busiest test centre is Goodmayes (London), which accepted 247,728 candidates in the past 16 years. However, it only has a low pass rate of 38.67%. The Top 10 busiest test centres are Goodmayes (London), Reading, Birmingham (Kingstanding), Luton, Middlesbrough, Oxford (Cowley), Pinner (London), Horsforth, Birmingham (Garretts Green), and Birmingham (South Yardley). All of these test centres serviced more than 1 million candidates in their history, which is close to the number of candidates taking the test every year in the UK. The Top 10 luckiest test centres include Kendal (Oxenholme Road), Malton, Kendal, Dorchester, Brecon, Pwllheli, Lampeter, Alnwick, Peterhead, and Durham. Though requiring for a minimum number of testees (as mentioned above, 100,000 candidates), these test centres are still relatively not busy, most of them (except for Durham and Dorchester) serviced less than 200,000 candidates in their history. But all of these test centres have a pass rate higher than 59%. The highest one of them, Kendal (Oxenholme Road) has a pass rate of 63.93%. In the appendix Table A1, we also provide a rank of busiest and luckiest test centres based on 5-year data, which could be a more up-to-date reference point.

A city could have more than one test centre. For instance, as shown in Table 3, London has three test centres and Birmingham has two, which are listed on the Top 10 busiest test centres ranking. Multiple centres may bias the feeling of the busyness and the pass rates in London (image that despite of the busiest test centers, London may also has some test centres that are extremely not busy). Therefore, it is helpful to look at the overall pass rates by city. However, the DVSA file only provides the name of test centres rather than any geographic information. To link the name of test centres and geographic location, we have a technical route from test centre name to ZIP code, and finally to NUTS (Nomenclature of Territorial Units for Statistics, which is more friendly to GIS plotting tools). First, the postcode of driving test centers is obtained from SpeedyTests (<https://speedytests.co.uk/test-centres.html>), which provide a list of

⁵For example, Gairloch Driving Test Centre in Scotland serviced only 504 candidates but has a pass rate of 71.68%.

test centers on static webpages. We crawl down the address information with Python ⁶. Second, we link the postcode of driving test centres to NUTS codes using an R package by Yannis Galanakis (2021). Finally, we calculate the accumulative number of candidates and the average pass rates for each of 40 NUTS level-2 area and illustrate them on figures.

Figure 3: The Geographic Distribution of Candidates (Number of Candidates, GB Only)

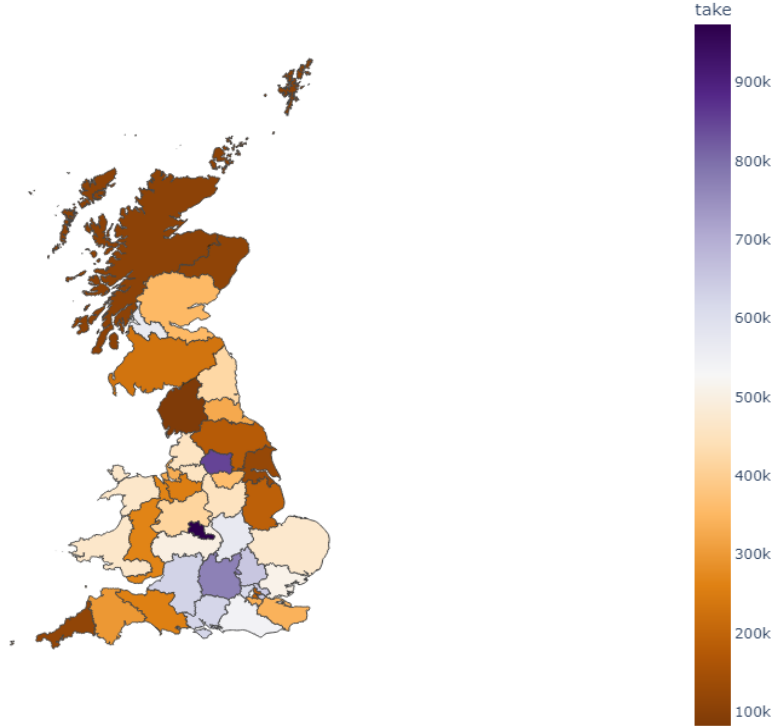


Figure 3 shows the geographic distribution of the number of candidates. Due to data available, Northern Ireland is not included on the figure. The figure shows that London, Birmingham, and Manchester area account for the highest number of candidates. Also, southeastern and southwest counties surrounding London are also busier compared with counties in Wales, Southeast, and Scotland. Scotland is relatively not busy compared with England. And Southern England is relatively not busy compared with the middle and the north. The distribution of the number of candidates is probably related to the distribution of UK population. Our Figure 3 is very similar to the distribution map of UK population published by the UK Office of National Statistics⁷.

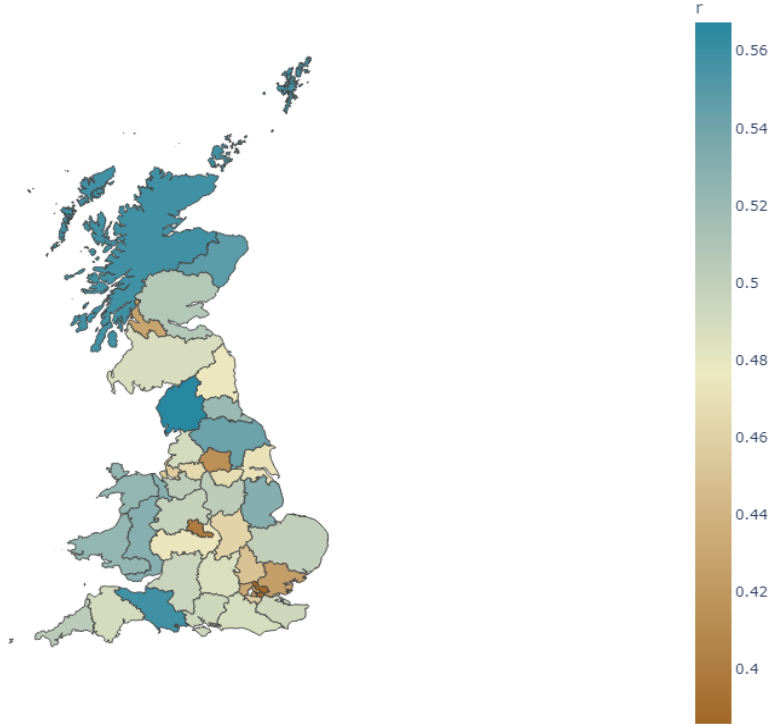
Figure 4 shows the geographic distribution of pass rates. Due to data available, Northern Ireland is not included on the figure. On average, Scotland and Wales have higher pass rates than England. However, Glasgow area has relatively low pass rate compared with other cities and counties in Scotland. And in England, the North has lower pass rates compared with the south and the middle. London surprisingly have

⁶We thanks SpeedyTest for collecting this data and publish it on static webpages

⁷<https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/bulletins/annualmidyearpopulationestimates/mid2019>

higher pass rates than the surrounding counties. In the appendix (Figure A1 and Figure A2), we also report the geographic distribution of pass rates by gender.

Figure 4: The Geographic Distribution of Pass Rates (%), GB Only



4 Additional Analysis

In this section, we report the results of our additional analysis on the calendar effect (pass rate by month), age effect, ethnicity effect, first attempt pass rate, and automatic car pass rate.

4.1 Pass Rates by Month

Calendar effects are documented in stock markets. Some researchers find that stocks are more profitable in specific months and days (Gao and Kling, 2005). Similarly, some insurance companies and driving schools have noticed the difference of pass rates in different months⁸. Although they also claim that their conclusion is based on DVSA data, we would like to add to these anecdotes by analysing comprehensively the DVSA data.

⁸For example, Sterling Insurance suggests Monday is the best day for taking driving test (<https://www.sterling-insurance.co.uk/blog/learner/best-time-driving-test/>). A driving school claims that April and August are the best months to take a driving test (<https://blog.passmefast.co.uk/learning-to-drive/best-time-of-year-to-take-your-driving-test/>).

Based on the data from File 1, we report the pass rate by month in Table 4. In Panel A, we use the full sample period (i.e., 2007-2021) provided by the DVSA. We find, indeed, August accounts for the highest pass rate comparing with the other months. The pass rate in August is 50.50% for males, 44.23% for females, and 47.23% for all candidates. It is notable that in January, April, May, July, and September, pass rates are also relatively high, which are higher than 46.5% for all candidates. In Panel B, we focus on a recent period from 2017 to 2021. The result is slightly different from Panel A. For males, the luckiest month is April with an average pass rate of 51.50%. However, for females and all candidates, August is still the luckiest month. Given all, the results shows that average pass rates are relatively higher in January, April, May, July, August, and September.

Table 4: Luckiest Month To Pass

Panel A: Sample Period 2007-2021									
Month	Males			Females			Overall		
	Num.	Pass	%	Num.	Pass	%	Num.	Pass	%
Jan	934,015	466,930	49.99%	955,481	416,190	43.56%	1,892,566	884,825	46.75%
Feb	893,588	440,631	49.31%	940,222	400,839	42.63%	1,836,703	843,214	45.91%
Mar	930,064	460,648	49.53%	994,246	425,547	42.80%	1,927,224	887,818	46.07%
Apr	814,168	410,329	50.40%	878,810	383,248	43.61%	1,695,434	794,972	46.89%
May	888,433	444,379	50.02%	962,887	417,526	43.36%	1,855,086	864,023	46.58%
Jun	907,306	452,909	49.92%	988,078	428,021	43.32%	1,897,674	882,257	46.49%
Jul	941,836	471,675	50.08%	1,031,984	449,541	43.56%	1,980,210	924,889	46.71%
Aug	864,467	436,523	50.50%	949,708	420,048	44.23%	1,818,037	858,738	47.23%
Sep	969,530	482,542	49.77%	1,038,790	452,439	43.55%	2,010,944	936,496	46.57%
Oct	1,052,506	522,484	49.64%	1,122,137	486,063	43.32%	2,177,315	1,010,075	46.39%
Nov	995,231	490,814	49.32%	1,092,223	467,670	42.82%	2,091,578	960,856	45.94%
Dec	789,797	392,831	49.74%	849,028	367,941	43.34%	1,644,132	763,742	46.45%
Panel B: Sample Period 2017-2021									
Month	Males			Females			Overall		
	Num.	Pass	%	Num.	Pass	%	Num.	Pass	%
Jan	212,664	105,651	49.68%	215,408	93,880	43.58%	429,411	200,232	46.63%
Feb	193,868	94,508	48.75%	199,928	84,831	42.43%	394,859	180,013	45.59%
Mar	183,524	91,350	49.78%	188,557	82,354	43.68%	373,139	174,321	46.72%
Apr	144,648	74,496	51.50%	157,612	69,716	44.23%	303,114	144,737	47.75%
May	193,252	98,725	51.09%	207,934	92,342	44.41%	403,289	192,246	47.67%
Jun	194,192	97,868	50.40%	208,344	91,580	43.96%	403,300	189,919	47.09%
Jul	213,983	108,680	50.79%	231,940	103,113	44.46%	450,580	214,459	47.60%
Aug	217,625	111,300	51.14%	234,945	105,673	44.98%	454,703	218,183	47.98%
Sep	249,938	125,452	50.19%	260,641	115,380	44.27%	511,817	241,557	47.20%
Oct	274,563	137,633	50.13%	284,111	124,674	43.88%	559,975	263,086	46.98%
Nov	231,454	114,300	49.38%	246,272	106,447	43.22%	479,633	221,864	46.26%
Dec	221,147	110,456	49.95%	227,591	100,417	44.12%	452,574	213,019	47.07%

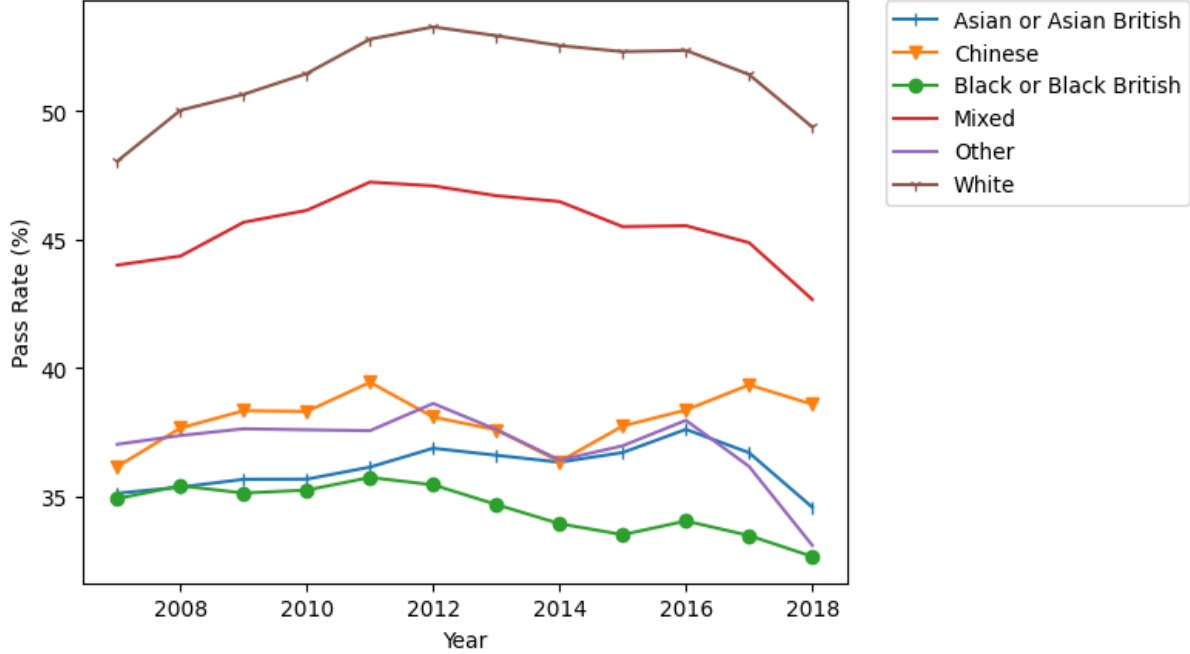
4.2 Pass Rates by Ethnicity

Based on the information in File 4 “car pass rates by ethnicity of candidates, year and test centre”, we show the difference of pass rates among different ethnicity groups in Figure 5. The DVSA classifies ethnicity by seven groups, Asian or Asian British, Chinese, black or black British, mixed, other, white, no preference, and prefer not to say. We exclude the last two categories as they do not reflect any information.

During the survived period, white candidates have the highest pass rates, which is around 50%. The average pass rate of white candidates peaks in Year 2012 and then decreases. Mixed ethnicity group also has relatively high pass rate, averagely at around 45%. Among minority ethnicity groups, Chinese candidates

have relatively higher pass rate, averagely at around 37%. And the black and black British has the lowest pass rate, which has been below 35% since 2009. From 2011 to 2018, the pass rate of the black and black British continuously decrease.

Figure 5: Driving Test Pass Rates by Ethnicity from 2007 to 2018



4.3 Where Are Experts? First Attempt Pass Rate

The File 2 “car pass rates by first driving attempt, gender and test centre, including zero faults record” provides information on candidates that passed with their first attempt. We illustrate this data in Table 5 and Table 6. In Table 5, we show the first attempt pass rates by year. For every year, we report the number of first attempt candidates, the number of candidates passed with their first attempt, first attempt pass rates, the number of candidates passed with zero fault, and zero default rates. From 2007 to 2021, the average first attempt pass rate increases from 43.29% to 49.30%. And the average zero fault rate increases from 0.53% to 1.94%. The result implies that candidates become more and more prepared before they take their first driving test.

In Table 6, we rank the Top 10 test centres with the highest first attempt pass rates. To rule out the effect of those very small test centers with extremely high pass rates, the luckiest test centers only rank test centres serviced more than 100,000 candidates totally from 2007 to 2021. For every test centre, we report the number of first attempt candidates, the number of candidates passed with their first attempt, the number of candidates passed with zero fault, the pass rate for males, the pass rate for females, and the pass rate for all candidates. The Top 10 test centres with the highest pass rates are Llandrindod Wells (with an average first attempt pass rate 72.11%), Malton, Kendal (Oxenholme Road), Dorchester, Kendal, Arbroath, Inverurie, Brecon, Durham, and Peterhead. In these test centres, both male and female candidates have first attempt pass rates which are higher than 55%.

Table 5: First Attempt Pass Rates, by Year

Year	Num.	Pass First Attempt	First Attempt Pass Rate	Zero Fault	Zero Fault Rate
2007/08	791,098	342,481	43.29%	4,166	0.53%
2008/09	762,067	345,411	45.33%	4,773	0.63%
2009/10	701,132	320,695	45.74%	4,826	0.69%
2010/11	728,434	336,349	46.17%	6,049	0.83%
2011/12	700,549	332,697	47.49%	7,345	1.05%
2012/13	651,037	310,373	47.67%	7,381	1.13%
2013/14	667,740	319,577	47.86%	6,534	0.98%
2014/15	704,915	335,374	47.58%	7,536	1.07%
2015/16	731,925	347,825	47.52%	8,034	1.10%
2016/17	799,827	376,785	47.11%	9,627	1.20%
2017/18	777,413	363,044	46.70%	10,029	1.29%
2018/19	733,167	341,394	46.56%	10,247	1.40%
2019/20	720,490	334,428	46.42%	10,375	1.44%
2020/21	248,293	126,742	51.05%	4,805	1.94%
2021/22	816,122	402,371	49.30%	15,851	1.94%

Table 6: Top 10 Test Centres with the Highest First Attempt Pass Rates

Test Centre	First Take	Pass	Zero Fault	Pass Rate (M)	Pass Rate (F)	Pass Rate
Llandrindod Wells	5,225	3,626	236	72.11%	66.81%	69.40%
Malton	7,224	4,666	330	68.59%	60.94%	64.59%
Kendal (Oxenholme Road)	8,353	5,344	316	67.30%	60.64%	63.98%
Dorchester	29,893	18,699	601	65.10%	60.13%	62.55%
Kendal	8,625	5,346	130	65.35%	58.53%	61.98%
Arbroath	6,118	3,771	395	63.57%	59.92%	61.64%
Inverurie	6,093	3,717	108	64.13%	58.31%	61.00%
Brecon	8,543	5,194	286	65.28%	56.91%	60.80%
Durham	40,630	24,398	1,027	63.66%	56.75%	60.05%
Peterhead	8,550	5,126	330	64.41%	55.54%	59.95%

4.4 Automatic Car Data

In 2021, 17.87% candidates choose to take their driving test with automatic cars. In Table 7, we present the pass rate with automatic cars by year. The average pass rate using automatic cars are 39.18%, which is lower than overall pass rates. In Table 8, we list the test centres with the highest number of automatic car candidates and those with highest pass rates. To rule out the effect of those very small test centers with extremely high pass rates, the luckiest test centers for automatic car candidates only rank test centres serviced more than 500 candidates totally from 2007 to 2021. Eight test centres in London are among the Top 10 busiest auto test centres. And the luckiest centre for automatic car candidates are Dorchester (with an average pass rate 59.46%), Yeovil, Durham, Nelson, Dundee, Pembroke Dock, Ashfield, Hyde (Manchester), Chichester, and Warrington.

Table 7: Automatic Car Pass Rates, by Year

Year	Num.	Pass	Pass Rate
2007/08	70,429	26,400	37.48%
2008/09	75,716	28,964	38.25%
2009/10	71,454	27,884	39.02%
2010/11	83,554	32,036	38.34%
2011/12	70,429	26,400	37.48%
2012/13	87,844	34,749	39.56%
2013/14	95,759	37,266	38.92%
2014/15	105,948	41,391	39.07%
2015/16	114,994	45,238	39.34%
2016/17	141,264	56,172	39.76%
2017/18	163,790	63,727	38.91%
2018/19	185,043	71,870	38.84%
2019/20	202,506	79,951	39.48%
2020/21	60,209	24,996	41.52%
2021/22	242,713	101,231	41.71%
Sum			39.18%

Table 8: The Busiest and Luckiest Test Centres for Automatic Car Candidates

Busiest Auto Test Centres				Luckiest Auto Test Centers		
Rank	Test Centre	Num.	Pass Rate	Test Centre	Num.	Pass Rate
1.	Goodmayes (London)	34,603	36.89%	Dorchester	1,596	59.46%
2.	Pinner (London)	16,155	41.20%	Yeovil	1,016	59.35%
3.	Morden (London)	14,004	44.02%	Durham	1,588	59.13%
4.	Isleworth (Fleming Way)	13,259	42.11%	Nelson	681	54.92%
5.	Hither Green (London)	13,020	43.65%	Dundee	1,066	54.69%
6.	Hendon (London)	12,954	39.96%	Pembroke Dock	576	53.99%
7.	Mitcham (London)	11,517	38.96%	Ashfield	1,826	53.72%
8.	Mill Hill (London)	10,990	42.06%	Hyde (Manchester)	611	53.68%
9.	Chingford (London)	10,970	35.95%	Chichester	1,242	53.06%
10.	Greenford (Horsenden Lane)	8,152	34.97%	Warrington	1,098	52.82%

5 References

1. DVSA (Driver and Vehicle Standards Agency). “Car driving test data by test centre”. <https://www.gov.uk/government/statistical-data-sets/car-driving-test-data-by-test-centre>. [Accessed Sep 2021].
2. DVSA, 2021. “Annual Review 2020 to 2021”. <https://www.gov.uk/government/publications/dvsa-annual-review-2020-to-2021>. [Accessed Sep 2021].
3. Galanakis, Y. 2021. “Converting UK postcodes to NUTS regions (Version 1.0)”. <https://github.com/ygalanak/UKpc2NUTS>
4. Kling, G. and Gao, L., 2005. “Calendar effects in Chinese stock market”. *Annals of Economics and Finance*, 6(1), pp.75-88.
5. Stavrinou, D., McManus, B., Mrug, S., He, H., Gresham, B., Albright, M.G., Svancara, A.M., Whittington, C., Underhill, A. and White, D.M., 2020. “Adolescent driving behavior before and during restrictions related to COVID-19”. *Accident Analysis & Prevention*.

6 Appendix

I. Pass rate by test centre 2007-2021 (full data, average pass rate for 712 current and history test centres)

<https://docs.google.com/spreadsheets/d/1N4ClmRaPas-MyNQPvsIUvCtKOCA5RSf5/edit?usp=sharing&ouid=115409051612144827220&rtpof=true&sd=true>

II. Busiest and luckiest test center 2017-2021 (Table A1 below)

III. Pass rate by test centre (automatic car data, five-year average)

<https://docs.google.com/spreadsheets/d/1pDoTKDNtpH7ceX34VCTMQd1jkVLXtc8Z/edit?usp=sharing&ouid=115409051612144827220&rtpof=true&sd=true>

IV. The Geographic Distribution of Pass Rates (Figure A1 for males and Figure A2 for females)

V. First attempt pass rate by test centre 2007-2021 (full data, average pass rate)

<https://drive.google.com/file/d/1Pn2gctXUnwHgQNsf25Xf4eP5YqUuKyR0/view?usp=sharing>

Table A1: The Busiest and Luckiest Test Centres from 2017 to 2021

Busiest Test Centres				Luckiest Test Centers		
Rank	Test Centre	Num.	Pass Rate	Test Centre	Num.	Pass Rate
1.	Goodmayes (London)	123,411	38.93%	Dorchester	21,155	63.09%
2.	Pinner (London)	70,012	44.17%	Yeovil	22,010	62.25%
3.	Morden (London)	67,529	47.71%	Durham	30,224	59.75%
4.	Isleworth (Fleming Way)	61,146	45.33%	Northallerton	12,615	59.29%
5.	Birmingham (Garretts Green)	56,720	39.21%	Ipswich	33,415	59.05%
6.	Chingford (London)	55,087	37.91%	Abergavenny	18,025	58.79%
7.	Hither Green (London)	53,333	48.11%	Lee On The Solent	25,650	58.73%
8.	Norris Green (Liverpool)	52,927	42.00%	Llantrisant	10,475	58.25%
9.	West Didsbury (Manchester)	52,800	45.15%	Ashfield	30,241	57.93%
10.	Reading	49,802	49.24%	Dundee	20,604	57.63%

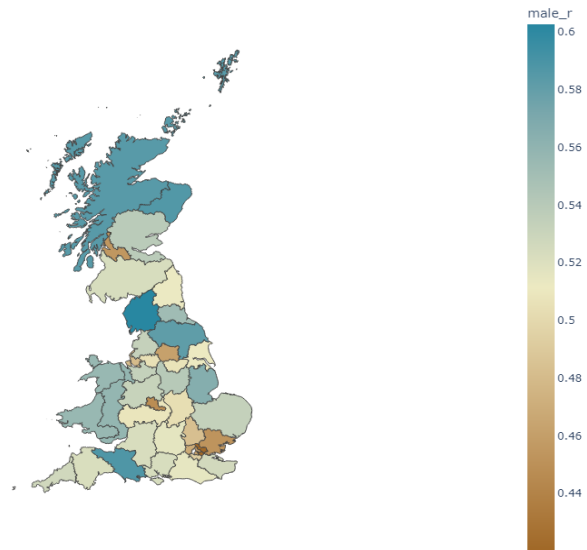


Figure A1: Driving Test Pass Rates for Males from 2007 to 2021

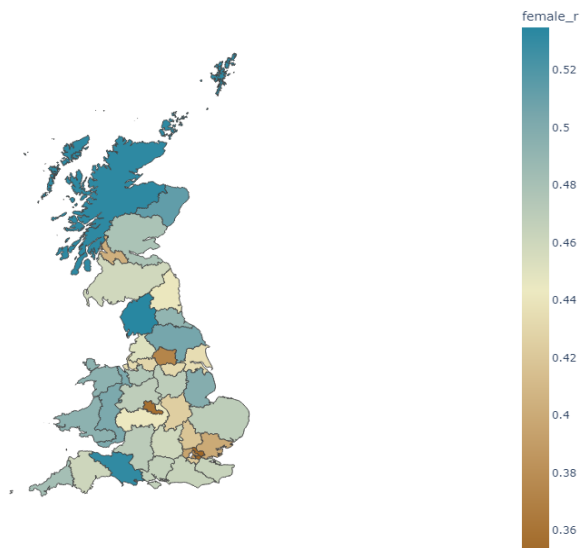


Figure A2: Driving Test Pass Rates for Females from 2007 to 2021