

A SCIENTIST JUST LIKE ME



Dr Fiona Reid
Data scientist

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Hi there! I am Dr Fiona Reid – A data scientist



Where do I work?

I work at Lloyds Banking Group helping the bank to use their data to make the best decisions for their customers.

What did I like doing when I was at school?

At school I loved maths and science. When I was a little, I was fascinated by volcanoes and earthquakes and as a result I studied geophysics at university.

What do I like doing in my spare time?

I spend my spare time outdoors; walking, climbing, skiing, essentially anything that involves going up or down a mountain or a cliff face.

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What do I do as a data scientist?

```
df = pd.read_excel('input_data/2020_wanders.xlsx', usecols="A:E")
```

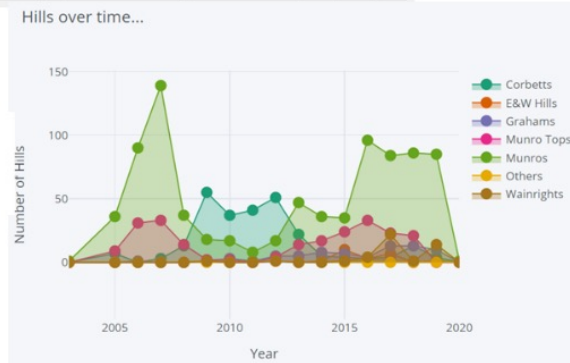
```
pd.set_option('display.max_rows', 200)  
df = df.dropna()  
df['Year'] = pd.DatetimeIndex(df['Date']).year  
df['Month'] = pd.DatetimeIndex(df['Date']).month  
df['Day'] = pd.DatetimeIndex(df['Date']).day
```

```
df.head()
```

	Date	Distance (km)	Distance (miles)	Activity type	Description	Year	Month	Day
0	2020-01-01	10.0	6.215040	Hillwalking	A' Ghlas-Bheinn	2020	1	1
1	2020-01-03	11.0	6.836544	Hillwalking	Stob a' Ghrianain	2020	1	3
2	2020-01-04	13.5	8.390305	Hillwalking	Mullach nan Coirean and Stob Ban	2020	1	4
3	2020-01-08	6.6	4.101927	Running	Run to work	2020	1	8
4	2020-01-10	18.0	11.187073	Hillwalking	A' Bhuidheanach Beag and Carn na Caim	2020	1	10



I am a data scientist at a large bank. I use computers that process large amounts of computer language. When there are problems, I find solutions and I develop computer programmes that can read data and use it so the computer learns for itself.



How does what I do make the world a better place?

The work I do as a data scientist helps to improve the experience that customers have, which helps them look after their money.

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What I like about my job

I love the variety of different problems and data that I get to work with as they provide opportunities to learn new skills and techniques in data science or computer programming. My role lets me learn new things every day which I really enjoy.



Challenges I have faced

The everchanging nature of data science means you never stop learning so keeping up with the latest tools, libraries, etc. can be a challenge. That said, no two days or datasets are the same, so you will never get bored.

```
76     $SESSION['_CAPTCHA']["config"] = serialize($captcha_config);
77     return array(
78         'code' => $captcha_config['code'],
79         'image_src' => $image_src
80     );
81 }
82
83 function_exists('hex2rgb') {
84     $hex_str = preg_replace('/[0-9A-Fa-f]/', '', $hex_str); // Gets a proper hex string
85     $rgb_array = array();
86     $color_val = hexdec($hex_str);
87     $rgb_array[0] = 0xFF & ($color_val >> 0x10);
88     $rgb_array[1] = 0xFF & ($color_val >> 0x02);
89     $rgb_array[2] = 0xFF & ($color_val >> 0x01);
90     $hex_str = hexdec(str_repeat(substr($hex_str, 0, 1), 2));
91     $hex_str = hexdec(str_repeat(substr($hex_str, 1, 1), 2));
92     $hex_str = hexdec(str_repeat(substr($hex_str, 2, 1), 2));
93     return false;
94 }
95 return $return_string; implode($separators, $rgb
```

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If you want to be a data scientist, you need:

- ✱ to really **enjoy solving problems** as you will often be trying something new or different and need to think 'outside the box'
- ✱ an **interest in computer programming** as most data scientists use computers
- ✱ an **interest in maths** so you can understand the results that the computer models produce
- ✱ to **be curious about everything** and never be afraid to admit you don't know something

```
<div class="container">
  <div class="row">
    <div class="col-md-6 col-lg-8"> <!-- BEGIN NAVIGATION
    <nav id="nav" role="navigation">
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="home-events.html">Home Events</a></li>
        <li><a href="multi-col-menu.html">Multiple Column Men
        <li class="has-children"> <a href="#" class="current">
          <ul>
            <li><a href="tall-button-header.html">Tall But
            <li><a href="image-logo.html">Image Logo</a></li>
            <li class="active"><a href="tall-logo.html">Ta
          </ul>
        </li>
        <li class="has-children"> <a href="#">Carousels</a>
          <ul>
            <li><a href="variable-width-slider.html">Variab
            <li><a href="variable-width-slider.html">Testimoni
```



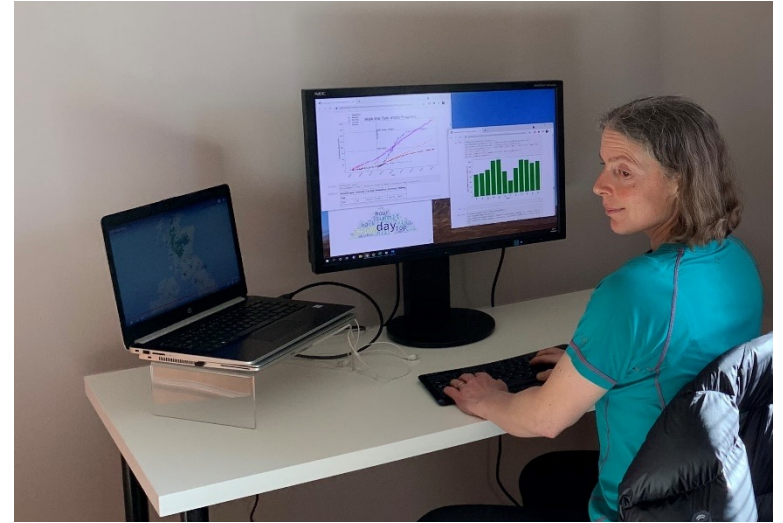
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Discussion time

- ✦ Would you like to be a data scientist like Dr Fiona Reid?

Why? Why not?

- ✦ What skills and interests do you already have that would help you become a data scientist?
- ✦ What new skills and knowledge would you need to develop?



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