**Tutorials**

Welcome to the Imperial Visualisations developer team! It’s expected that a new developer has no previous experience in any web-based language; all we expect is knowledge of code and the enthusiasm to learn. This document will take you through the three main languages with which Imperial Visualisations are developed: HTML, CSS, and JavaScript. Although we have many recources available to

HTML

HTML is the backbone of any website. It’s less of a language and more of a collection of elements that define what goes on your page. These elements are defined using opening and closing tags. For example, if I wanted to have an element displaying “hello world”, I would have an open <div> tag, followed by the text, followed by a closing </div> tag. So overall the element looks like:

<div>hello world</div>

These elements can contain anything from text to a slider to a plot, and can be styled to your preference! For more tutorials on HTML, here are a few useful resources:

* W3 Schools: <https://www.w3schools.com/html/html_intro.asp>
* Codeacademy: <https://www.codecademy.com/learn/learn-html>

CSS

If HTML describes ‘what’ goes on the page, then CSS describes ‘how’. CSS is a series of properties and their corresponding values describing all the stylistic features of an html element. For example:

width:100%; height: 100%; colour: “blue”;

Everything from colour to size to animations is defined using CSS. The CSS of a html element can either be defined in that element directly, or can be inherited from a class or id. For more on CSS, visit:

* W3 Schools: <https://www.w3schools.com/css/css_intro.asp>

Javascript