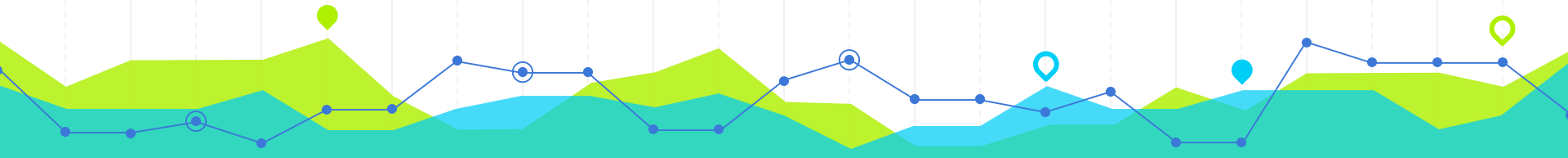




Angular Directive

Directive

- Element Directive
- Attribute Directive



Directive

- Element Directive

```
app.directive('someElement', function() {  
  return {  
    restrict: 'E'  
  };  
});
```



Directive

- Element Directive

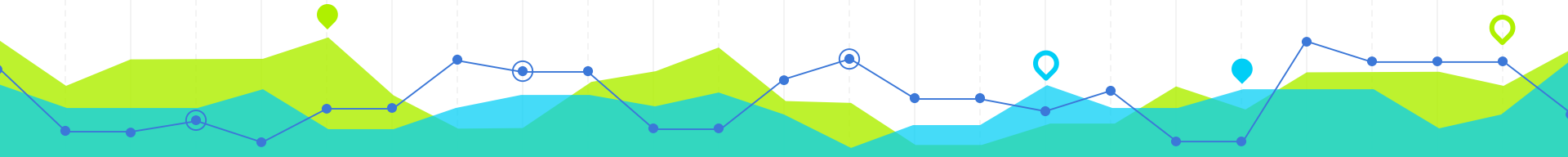
```
<some-element></some-element>
```



Directive

- Attribute Directive

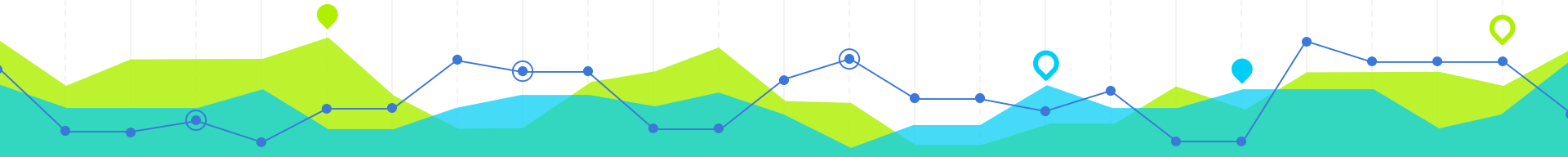
```
app.directive('someAttr', function() {  
  return {  
    restrict: 'A'  
  };  
});
```



Directive

- Attribute Directive

```
<div some-attr></div>
```



Directive

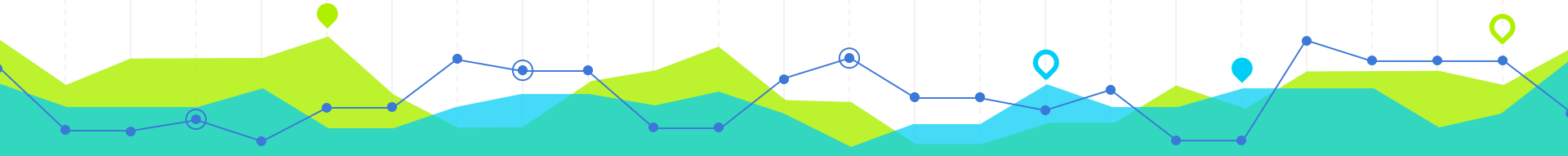
- Element Directive
- Attribute Directive



Directive

Template property

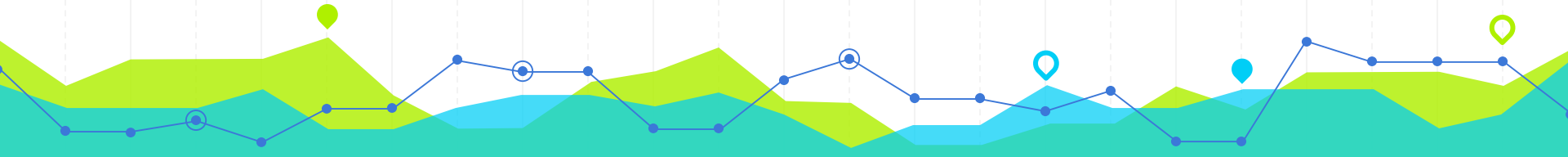
```
angular.directive('someElement', function () {  
  return {  
    restrict: 'E',  
    template: '<div>hello world</div>'  
  };  
});
```



Directive

Template property

```
<some-element></some-element>
```



Directive

Example

```
<div ng-app="myApp">
  <some-element></some-element>
</div>
<script>

var app = angular.module("myApp", []);
app.directive('someElement', function () {
  return {
    restrict: 'E',
    template: '<div>Hello</div>'
  };
});
</script>
```

Directive

Controller property

```
app.directive('someElement', function () {  
  return {  
    restrict: 'E',  
    template: '<div>Hello</div>' // templateUrl: 'word.html'  
    controller: function ($scope) {  
      // code here  
    }  
  };  
});
```



Directive

Link property

```
app.directive('someDirective', function () {  
  return {  
    restrict: 'A',  
    link: function (scope, element, attrs) {  
      element.click(function () {...});  
      element.blur(function () {...});  
      element.focus(function () {...});  
      $('input').blur(function () {...});  
    }  
  };  
});
```

Directive

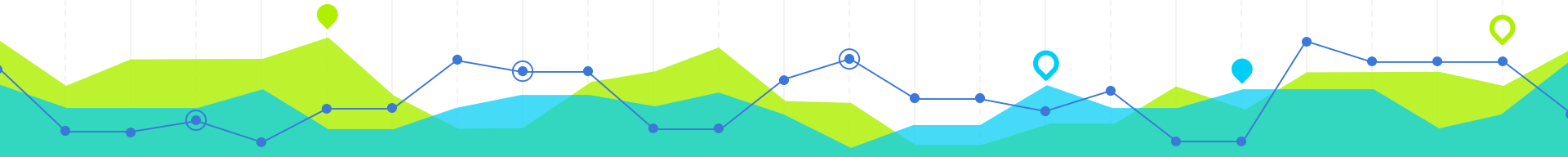
Isolated Scope

```
app.directive('someElement', function () {  
  return {  
    restrict: 'E',  
    scope: {}, // Isolated Scope  
    template: '<div>Hello Directive {{message}} <br> {{dad.message}}</div>',  
    controller: function ($scope) {  
      $scope.message = "ScopeDad Data";  
    }  
  };  
});
```

Directive

Isolated Scope

- Scope expression (&)
- Scope Attribute (@)
- Scope Two way Binding (=)



Directive

Isolated Scope

- Scope expression (&)



Directive

Isolated Scope

No Params

```
app.directive('someElement', function () {  
  return {  
    restrict: 'E',  
    scope: {  
      task: '&'  
    },  
    template: '<div><input type="text" ng-model="work"/></div><button ng-click="task()">Go to task</button>'  
  };  
});  
  
app.controller('myCtrl', function($scope) {  
  $scope.someFunction = function () {  
    console.log("someFunction myCtrl");  
  }  
});
```


Directive

Isolated Scope

No Params

```
<div ng-app="myApp" ng-controller="myCtrl">  
  <some-element task="someFunction()"></some-element>  
</div>
```



Directive

Isolated Scope

Params

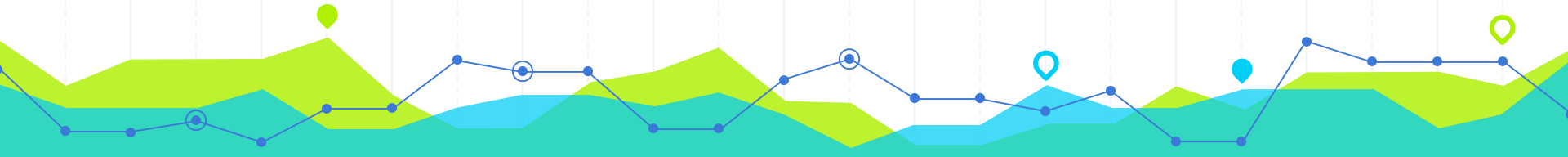
```
app.directive('someElement', function () {  
  return {  
    restrict: 'E',  
    scope: {  
      task: '&'  
    },  
    template: '<div><input type="text" ng-model="work"/></div><button ng-click="task({message:work})">Go to task</button>'  
  };  
});  
  
app.controller('myCtrl', function($scope) {  
  $scope.someFunction = function (value) {  
    console.log("someFunction myCtrl");  
    console.log(value);  
  }  
});
```

Directive

Isolated Scope

Params

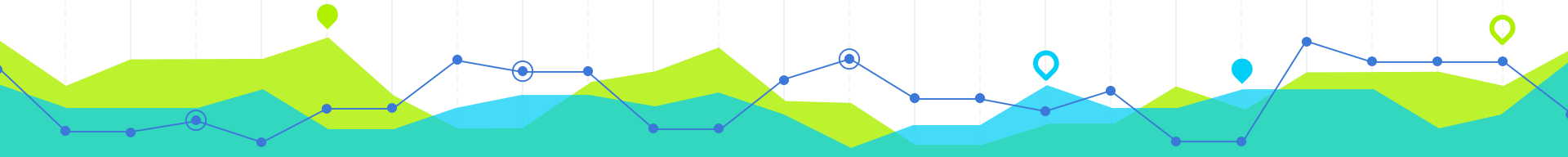
```
<div ng-app="myApp" ng-controller="myCtrl">  
  <some-element task="someFunction(message)"></some-element>  
</div>
```



Directive

Isolated Scope

○ Scope Attribute (@)



Directive

Isolated Scope

```
var app = angular.module("myApp", []);

app.directive('someElement', function () {
  return {
    restrict: 'E',
    scope: {
      task: '&',
      name: '@'
    },
    template: '<div><p>{{name}}</p><input type="text" ng-model="work"/></div><button ng-click="task({message:work})">Go to task</button>'
  };
});

app.controller('myCtrl', function($scope) {
  $scope.someFunction = function(value) {
    console.log("someFunction myCtrl");
    console.log(value);
  }
});
```

Directive

Isolated Scope

```
<div ng-app="myApp" ng-controller="myCtrl">  
  <some-element name="John Snow" task="someFunction(message)"></some-element>  
  <some-element name="Daenerys" task="someFunction(message)"></some-element>  
</div>
```



Directive

Isolated Scope

- Scope Two way Binding (=)



Directive

Isolated Scope

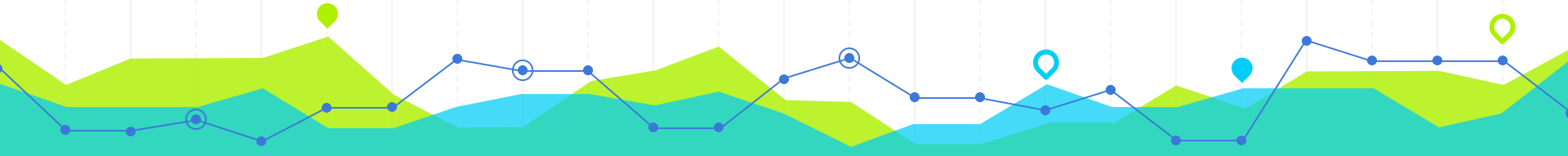
```
app.directive('someElement', function () {
  return {
    restrict: 'E',
    scope: {
      task: '&',
      name: '='
    },
    template: '<div><p>{{name.name}} {{name.age}}</p><input type="text" ng-model="work"/></div><button ng-  
click="task({message:work})">Go to task</button>'
  };
});

app.controller('myCtrl', function($scope) {
  $scope.JohnSnow = {
    name : "JohnSnow",
    age : 37
  };
  $scope.Daenery = {
    name : "Daenery",
    age : 37
  };
  $scope.someFunction = function (value) {
    console.log("someFunction myCtrl");
    console.log(value);
  }
});
```


Directive

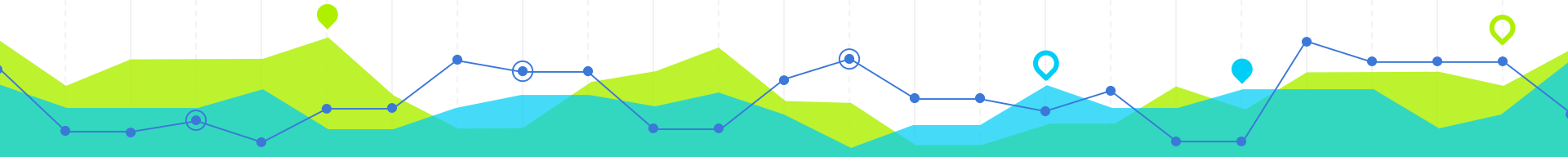
Isolated Scope

```
<div ng-app="myApp" ng-controller="myCtrl">  
  <some-element name="JohnSnow" task="someFunction(message)"></some-element>  
  <some-element name="Daenerys" task="someFunction(message)"></some-element>  
</div>
```



\$http

- get()
- post()
- delete()
- head()
- patch()



\$http

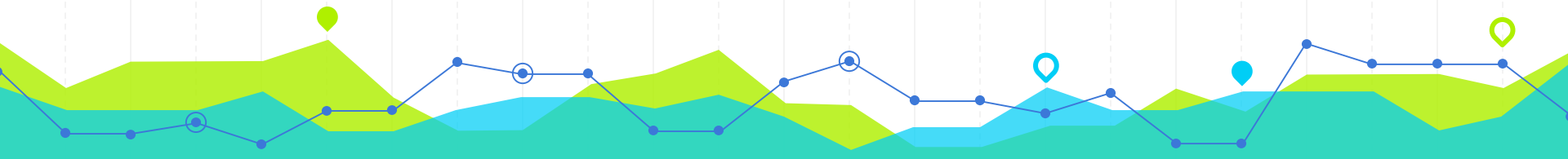
Include \$http in controller

```
app.controller('myCtrl', function($scope, $http) {  
  });
```



AngularJS - \$http

```
$http({
  method : "GET",
  url : "https://6cb61b96-06a5-4727-9b80-7907952dc0da.mock.pstmn.io/get/",
  params: {user_id: 1}, // param in url
  data : {"test":"dddd"}, // body in request
  headers : {"x-api-key":"61c3233bc8b64efe9b77b2c10ce1e2c4"}
}).then(function mySuccess(response) {
  $scope.myWelcome = response.data;
}, function myError(response) {
  $scope.myWelcome = response.statusText;
});
```



lab1

url : <https://6cb61b96-06a5-4727-9b80-7907952dc0da.mock.pstmn.io/get/>

Header : "x-api-key":"61c3233bc8b64efe9b77b2c10ce1e2c4"

