

DataTemplate 数据模板

```
public class ContentControl : TemplatedControl, IContentControl, IContentPresenterHost
     Gets or sets the content to display.
    [Content]
    [DependsOn(nameof(ContentTemplate))]
    ☑ 1438+4 用法 🚨 Steven Kirk +1 更多...
    public object? Content
        get ⇒ GetValue(ContentProperty);
        set ⇒ SetValue(ContentProperty, value);
```

姓名: 路人甲 - 年龄: 18

```
姓名:路人甲
年龄:18
```

```
public override string ToString()
{
    return $"姓名: {Name} - 年龄: {Age}";
}
```

• 为不同类型的数据定义专属的界面展示模板

• 数据与界面解耦

姓名: 路人甲 - 年龄: 18

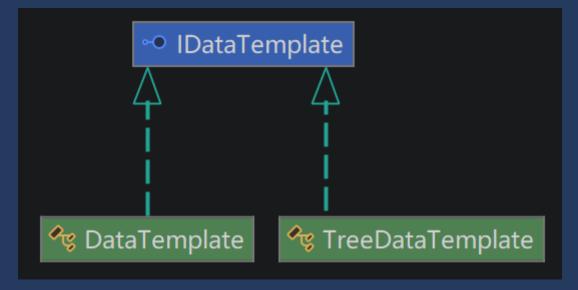
```
public override string ToString()
{
    return $"姓名: {Name} - 年龄: {Age}";
}
```

```
姓名: 路人甲
年龄: 18
```

基本用法

DataTemplates

DataTemplates



DataTemplates

```
public class Control : InputElement, IDataTemplateHost, IVisualBrushInitialize, ISetterValue

② 44+5 用法 ② Steven Kirk

public DataTemplates DataTemplates ⇒ _dataTemplates ??= new DataTemplates();

public class Application : AvaloniaObject, IDataContextProvider, IGlobalDataTemplates, IGlobalStyles,
```

public DataTemplates DataTemplates \Rightarrow _dataTemplates ?? (_dataTemplates = new DataTemplates());

```
♥ UserControl

♥ StyledElement

▼ StyledElement

▼ TemplatedControl

▼ Panel
```

DataTemplate的查找顺序

Application |- DataTemplates [5]

UserControl

- DataTemplates [4]
- StackPanel
 - |- DataTemplates [3]
 - ItemsControl
 - DataTemplates [2]
 - ItemTemplate [1]

```
public class ContentControl : TemplatedControl, IContentControl, IContentPresenterHost

Gets or sets the data template used to display the content of the control.

186 用法 ② Steven Kirk +1

public IDataTemplate? ContentTemplate

{

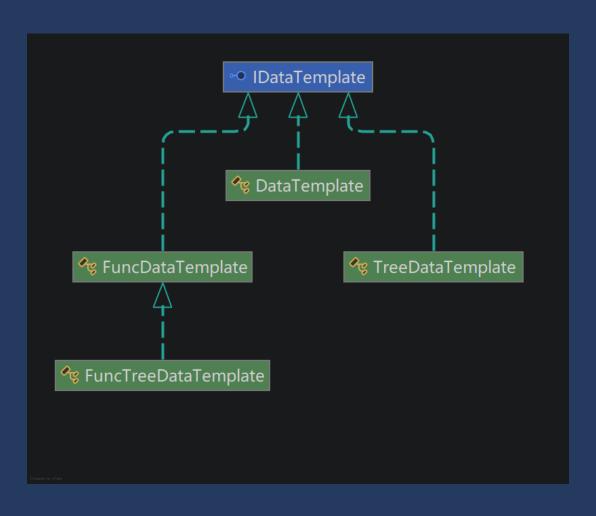
get ⇒ GetValue(ContentTemplateProperty);

set ⇒ SetValue(ContentTemplateProperty, value);
}
```

```
public class ItemsControl : TemplatedControl, IChildIndexProvider

② 114 用法 ② Steven Kirk +1
public IDataTemplate? ItemTemplate
{
    get ⇒ GetValue(ItemTemplateProperty);
    set ⇒ SetValue(ItemTemplateProperty, value);
}
```

IDataTemplate



public class FuncDataTemplate : FuncTemplate<object?, Control?>, IRecyclingDataTemplate

public class FuncDataTemplate<T> : FuncDataTemplate

```
public class FuncDataTemplate : FuncTemplate<object?, Control?>, IRecyclingDataTemplate
```

```
public class FuncDataTemplate<T> : FuncDataTemplate
```

```
public class FuncTreeDataTemplate : FuncDataTemplate, ITreeDataTemplate
```

```
public class FuncTreeDataTemplate<T> : FuncTreeDataTemplate
```

小结

