

NFS295
Seminar

Hallie Shi

The Steps of
Developing a
New Product

Building Concepts

Background
Investigation

Practical Issue and
Gaps

Current Solutions
in Industry

Pivot and
In-plant Trials

New product development

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Overview

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1 The Steps of Developing a New Product

- Building Concepts
- Background Investigation
- Practical Issue and Gaps
- Current Solutions in Industry

2 Pivot and In-plant Trials

Building Concepts

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- What
- How
- Who

The steps of developing a new product

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■ Background investigation

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Figure

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The University of Vermont

Figure: UVM logo



Figure: Almond yogurt from
Kitehill website

Table

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Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Paragraphs of Text

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Sed iaculis dapibus gravida. Morbi sed tortor erat, nec interdum arcu. Sed id lorem lectus. Quisque viverra augue id sem ornare non aliquam nibh tristique. Aenean in ligula nisl. Nulla sed tellus ipsum. Donec vestibulum ligula non lorem vulputate fermentum accumsan neque mollis.

Sed diam enim, sagittis nec condimentum sit amet, ullamcorper sit amet libero. Aliquam vel dui orci, a porta odio. Nullam id suscipit ipsum. Aenean lobortis commodo sem, ut commodo leo gravida vitae. Pellentesque vehicula ante iaculis arcu pretium rutrum eget sit amet purus. Integer ornare nulla quis neque ultrices lobortis. Vestibulum ultrices tincidunt libero, quis commodo erat ullamcorper id

Blocks of Highlighted Text

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Block 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Block 2

Pellentesque sed tellus purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Vestibulum quis magna at risus dictum tempor eu vitae velit.

Block 3

Suspendisse tincidunt sagittis gravida. Curabitur



Embedded R Code; **fragile** frame

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```
# show some output...
```

```
runif(10)
```

```
##      [1] 0.64673226 0.67524505 0.84526154 0.86272
```

```
##      [7] 0.49789895 0.55847925 0.23387468 0.82312
```

Embedded R Figure; `fragile` frame

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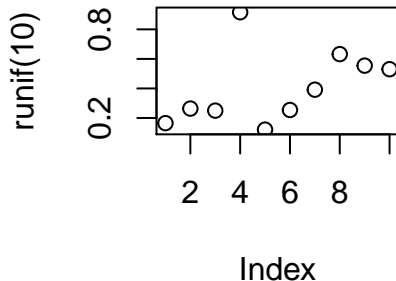
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Multiple Columns

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Heading

- 1 Statement
- 2 Explanation
- 3 Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Theorem

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Theorem (Mass–energy equivalence)

$$E = mc^2$$

Verbatim

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Example (Theorem Slide Code)

```
\begin{frame}  
\frametitle{Theorem}  
\begin{theorem}[Mass--energy equivalence]  
$E = mc^2$  
\end{theorem}  
\end{frame}
```

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The End