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# Getting started with L<sup>A</sup>T<sub>E</sub>X

## Dealing with errors

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21 \section{Need for finite aftercare of landfills}
22
23
24
25 The earliest recovered evidence of human (Native Americans) waste production is from around 6500 BC ).
26 The first organized municipal dump was created in 500 BC (Athens, Ancient Greece) & with the requirement that the
27 waste was deposited at least 1.6 km away from the city. Although the history of landfilling starts in such early times,
28 it was not until recently (1930) that humanity realized the dangers of dumping waste in open pits, and that waste
29 management had to be improved. \\ \indent
30 The rapid population growth results in an increase of waste production. Studies have indicated that waste production
31 will double within the next 20 years. Waste production is strongly correlated to the gross national income (GNI) of
32 each country. Residents in countries with a higher GNI (developed countries) produce/buy/use more material, and hence
33 dispose more waste compared to residents in countries with a lower GNI (developing countries). On the other hand, since
34 the 60's of the last century developed countries collect and treat their waste to a greater extent than developing
35 countries. \autors{fig1} shows a comparison of developed and developing countries with respect to their waste
36 generation and collection. \\ \indent
37 Waste composition differs by country as well. For example, developed countries produce more paper, plastic and glass
38 waste, whereas developing countries produce more organic and food waste. These differences per country enhance the
39 complexity of the waste management problem. \\ \indent
40 ~~~~~~Figure 1.1
41 \begin{figure}[ht]
42 \centering
43 \includegraphics[width=1\textwidth]{2}
44 \caption{LaTeX joke (Figure from:
45 https://kieranhealy.org/blog/archives/2011/02/23/choice-of-language-and-its-consequences/)}
46 \label{fig1}
47 \end{figure}
48 ~~~~~~
49 \section{Details}
50 \label{section:2}
51
52 \landfill emissions (e.g., gas - mainly \textorpdfstring{CH\textsubscript{4}}{} - and leachate) are harmful for the human
53 health and the environment (\ref{section:1}). For example, landfills are responsible for around 18 \% of the global
54 anthropogenic \textorpdfstring{CH\textsubscript{4}}{} production. For the reduction of landfill emissions, regulations
55 from the United Nations state that priority of all countries should be: (1) to reduce waste production; (2) to reuse
56 material; (3) to recycle material; (4) to convert waste to energy; (5) and finally, if all above fail, to landfill the
57 waste. Although landfilling is the last option for waste management nowadays, it still takes place: a number of
58 materials cannot be recycled, combusted or reused and for those landfilling is the best option. In addition, many
59 developing countries have no other option but continue landfilling, as any other action would be too expensive to
60 realize. European countries are some of the few exhibiting a decreasing landfilling rate, as they try to follow the

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Line: 39 Column: 0 INSERT

| File                          | Type  | Line    | Message  |
|-------------------------------|-------|---------|--|
| Module_5_Exercise3_errors.tex | error | line 25 | Too many }'s. ... waste production is from around 6500 BC )                      |
| Module_5_Exercise3_errors.tex | error | line 26 | Misplaced alignment tab character & ...ated in 500 BC (Athens, Ancient Greece) & |
| Module_5_Exercise3_errors.tex | error | line 32 | File 'z' not found. \includegraphics[width=1\textwidth]{2}                       |
| Module_5_Exercise3_errors.tex | error | line 39 | Undefined control sequence. ...inly \textorpdfstring{CH\textsubscript{4}}{}      |
| Module_5_Exercise3_errors.tex | error | line 39 | Undefined control sequence. ...eric \textorpdfstring{CH\textsubscript{4}}{}      |
| Module_5_Exercise3_errors.tex | error | line 44 | Missing \$ inserted. \NRMS\textf   |

! Too many }'s.  
! 25 ... waste production is from around 6500 BC )

You've closed more groups than you opened.  
Such boobos are generally harmless, so keep going.

! Misplaced alignment tab character &  
! 26 ...ated in 500 BC (Athens, Ancient Greece) &  
with the requirement that...

| <b>Message</b>  | <b>Meaning</b>   |
|---|--|
| !Undefined control sequence                             | Wrong command (likely a typo)                              |
| !Too many}'s  | Mistake in number of }                                     |
| Not in Mathematics Mode<br>(e.g., !Missing \$ inserted) | Mistake in math<br>mode opening                            |
| Runaway argument?                                       | Opposite to "!"Too many}'s"                                |
| Missing package   | L <sup>A</sup> T <sub>E</sub> X does not find some package |

| Message   | Meaning  |
|---|--|
| ... is not required with releases after 2005...       | Package already included   |
| Citation '...' on page ... undefined on input line... | Citation not defined in the bibliography file  |
| No \author given                                      | Warning of the \maketitle command, when an author is missing   |
| Overfull \hbox  | The line could not be broken in a reasonable way so it extended into the margin (try to add hyphens) |
| Underfull \hbox                                       | The spacing may exceed the currently permitted maximum (check if you have forced a line break)       |

How to fix the "&" error?

1. Replacing "&" with "and"
2. Using an image
3. Prepend "\\" to "&"

